

Page 1 of 1

Reviewer: Consultant ☐ Substitution

- ☐ **1. Reviewed/No Exceptions Taken (UON)**
- ☒ **2. Make Corrections Noted (Resubmittal Not Required)**
- ☐ **3. Revise as Noted and Resubmit**
- ☐ **4. Incomplete Submittal, Submit Missing Information**
- ☐ **5. Rejected, Resubmit as Specified**
- ☐ **6. Retained for A/E/Owner Record Only, without A/E Review**

Other Comments



McGuire Manufacturing Co., Inc.

60 Grandview Court
P.O. Box 746 • Cheshire, CT 06410
203-699-1801 • Fax: 203-699-1813
www.mcguiremfg.com

PRODUCT SPECIFICATION

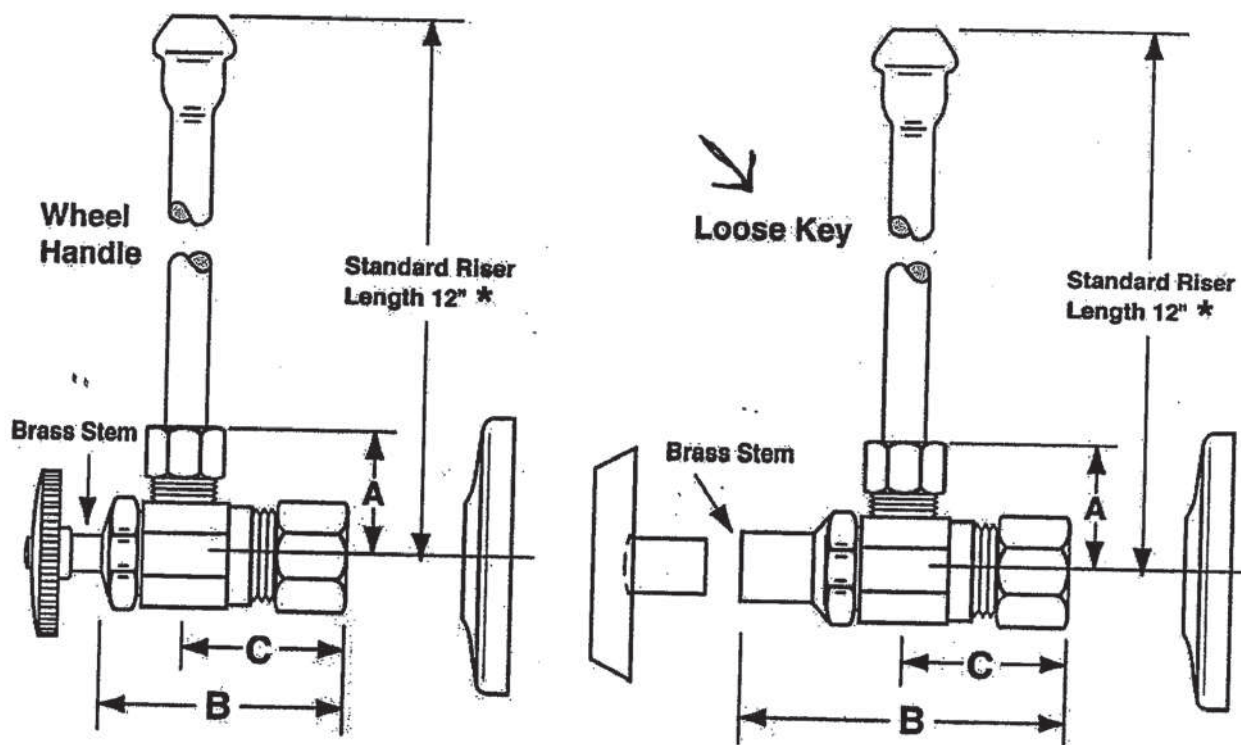
Part No.

LF2165CC, LF2165CCLK,
LF2167CC, LF2167CCLK

**Compression x Compression
Lavatory Supply**

Job Name:

Submittal Number:



NO.	DESCRIPTION	ROUGHING MEASUREMENTS		
		A	B	C
LF2165CC	1/2" Nominal x 3/8" O.D.	1"	1-3/4"	1"
LF2165CCLK	1/2" Nominal x 3/8" O.D.	1"	2-3/8"	1"
LF2167CC	1/2" Nominal x 1/2" O.D.	1"	1-3/4"	1-1/4"
LF2167CCLK	1/2" Nominal x 1/2" O.D.	1"	2-3/8"	1-1/4"

LK designates Loose Key

* See options and accessories section for details on product variations.



Specifications:

Supply kit shall include low lead chrome plated supply brass stop valves with full turn brass stem, no plastic, (12, 15, 20) inch chrome plated risers and (shallow, deep bell steel, brass or (forged brass with set screw) flange. Inlet shall be (3/8, 1/2) inch IPS. Outlet shall be (3/8, 1/2) inch (IPS, compression). Supply kit shall be McGuire _____

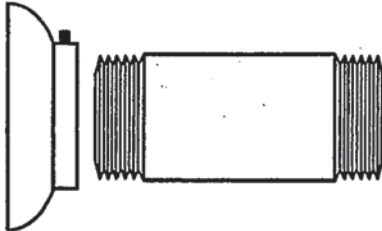
low lead certified by recognized authority and bear manufacturer and testing mark

NO EXCEPTION TAKEN ☒ MAKE CORRECTIONS NOTED ☐
REJECTED ☐ REVISE AND RESUBMIT ☐

GAYNER ENGINEERS REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING CORRECTING QUANTITIES, DIMENSIONS, ETC. WITH JOBSITE CONDITIONS, FABRICATION PROCESSES, AND TECHNICAL CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE SAFE AND SATISFACTORY PERFORMANCE OF THE WORK, AND FOR COORDINATION OF THE WORK WITH THAT OF ALL OTHER TRADES.

Sec 2240 00

2.3 escutcheons

**McGUIRE MFG. CO., INC.**
 60 Grandview Court
 P.O. Box 746 ♣ Cheshire, CT 06410
 203-699-1801 ♣ Fax 203-699-1813
Product Specification**Part No.**
**All Cast Brass
 Nipples And
 Set Screw Flanges**
Job Name:**Submittal Number:**

NO.	SIZE
1127	1-1/4" x 6"
2127	1-1/2" x 6"
3127	2" x 6"

NO.	SIZE
NO38015	3/8" x 1-1/2"
NO38020	3/8" x 2"
NO38030	3/8" x 3"
NO38035	3/8" x 3-1/2"
NO38040	3/8" x 4"
NO38045	3/8" x 4-1/2"
NO38050	3/8" x 5"
NO38055	3/8" x 5-1/2"
NO38060	3/8" x 6"
NO38065	3/8" x 6-1/2"
NO38100	3/8" x 10"
NO38120	3/8" x 12"
NO38150	3/8" x 15"
NO38200	3/8" x 20"
NO38240	3/8" x 24"
NO50030	1/2" x 3"
NO50040	1/2" x 4"
NO50050	1/2" x 5"
NO50055	1/2" x 5-1/2"
NO50060	1/2" x 6"
NO50080	1/2" x 8"
N125060	1-1/4" x 6"
N150060	1-1/2" x 6"
N200060	2" x 6"

NO.	SIZE
127038	3/8" I.P.S.
127050	1/2" I.P.S.
127058	5/8" O.D. (1/2" Copper)
127069	11/16" O.D.
127075	3/4" I.P.S.
127078	7/8" O.D. (3/4" Copper)
127100	1" I.P.S.
1271251	1-1/4" I.P.S.
1271250	1-1/4" O.D.
1271501	1-1/2" I.P.S.
1271500	1-1/2" O.D.
1272001	2" I.P.S.
1272000	2" O.D.


 NO EXCEPTION TAKEN ☒ MAKE CORRECTIONS NOTED ☐
 REJECTED ☐ REVISE AND RESUBMIT ☐

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 THE CONTRACT DOCUMENTS. COMMENTS MADE DO NOT RELIEVE

See accessories section for details on product variations.

 THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS
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 ETC. WITH JOBSITE CONDITIONS, FABRICATION PROCESSES, AND
 TECHNIQUES OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE
 FOR THE SAFE AND SATISFACTORY PERFORMANCE OF THE WORK.
 AND THE PROTECTION OF ALL WORKMANSHIP OF ALL OTHER
 TRADES.

GAYNER ENGINEERS

DATE: 12/5/13 BY: JSY

Specifications:
**All Cast Brass Nipples and Set Screw Flanges for use with P-Traps, supplies and shower
 arms. Highly polished and heavy chrome plated.**

Location: _____



MC-12

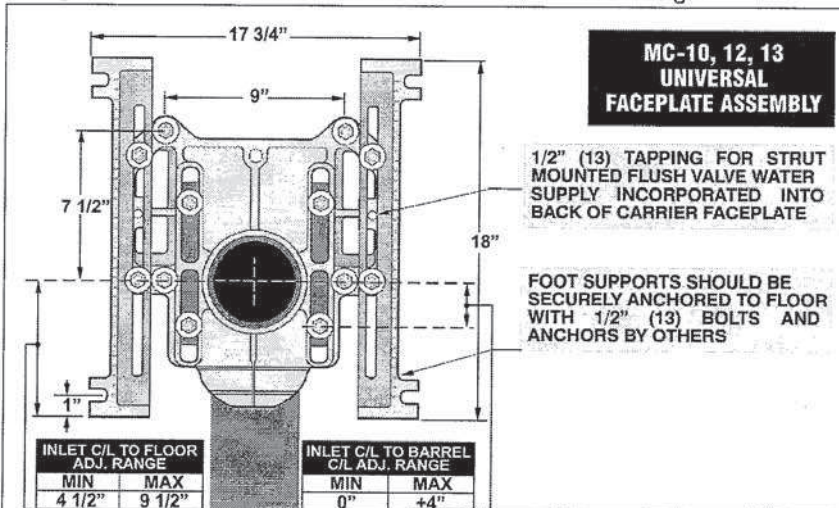
**VERTICAL, ADJUSTABLE
WATER CLOSET CARRIER**

Specification: MIFAB® Series MC-12 single, vertical, adjustable, water closet carrier with lacquered cast iron fitting, 4" (102) no hub waste, 2" (51) no hub vent connection, lacquered cast iron gasketed adjustable faceplate, universal floor mounted cast iron foot supports, adjustable 8" tapered thread ABS nipple with integral test cap, neoprene bowl gasket, hardware, threaded rod protectors, polished chrome plated finishing cap nuts and rear anchor tie down support.

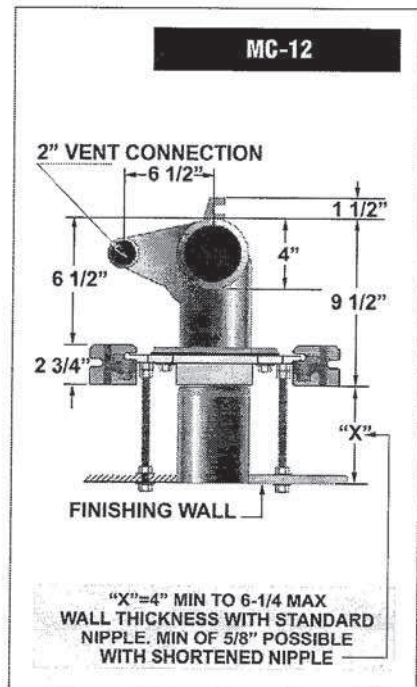
Function: Used when through the slab pipe connection is required with water closets installed on a common stack. Adjustable faceplate design permits installer to set water closet to the desired height from the finished floor, relative to the position of the vertical carrier fitting within the stack system. Typical for off the floor plumbing fixtures that are wall mounted and have no contact with the finished floor. The closet carrier is completely concealed within the wall and supports the load of the fixture through a faceplate and foot support system that is anchored to the floor. Sanitation underneath the fixture is more efficiently and economically maintained when installed off of the floor compared to floor mounted.

Note: 11" (279) minimum space required between front of foot and rear of anchor support. 7 1/4" (184) minimum in wall space required between back of rear anchor support and back of in wall foot supports.

Note: Foot supports and faceplate are assembled at the factory before shipment in the typical siphon jet water closet configuration and are reversible for the blowout water closet design.



Note: 8" tapered thread ABS nipple shipped standard with MC-12 Series carriers. The universal faceplate assembly accepts all nipple variations, rolling thread (-OR), cast iron (-CI) and tapered thread ABS with adjustable horn (-AH).



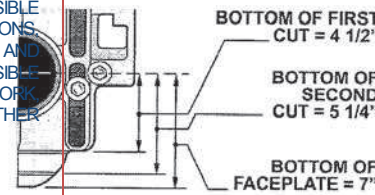
NO EXCEPTION TAKEN
REJECTED ☒ MAKE CORRECTIONS NOTED
REVISE AND RESUBMIT ☐

GAYNER ENGINEERS' REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. COMMENTS MADE DO NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING QUANTITIES, DIMENSIONS, ETC. WITH JOBSITE CONDITIONS, FABRICATION PROCESSES, AND TECHNIQUES OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE SAFE AND SATISFACTORY PERFORMANCE OF THE WORK AND FOR COORDINATION OF THE WORK WITH THAT OF ALL OTHER TRADES.

Meets ANSI/ASME
fixture carrier standard
GAYNER ENGINEERS
MC-12 SERIES
2.6.1M-97
500 LBS. Load Rating

DATE: 12/5/13 BY: J. S. [Signature]

**BREAKAWAY TABS
CENTERLINE OF NIPPLE TO FLOOR**



- | SUFFIX | OPTIONAL VARIATIONS: |
|----------------------------------|--|
| <input type="checkbox"/> -AH8 | 8" ABS nipple with adjustable horn |
| <input type="checkbox"/> -AH12 | 12" ABS nipple with adjustable horn |
| <input type="checkbox"/> -BA | Buy American Act compliant product |
| <input type="checkbox"/> -CI-4 | 4" rolling thread cast iron nipple |
| <input type="checkbox"/> -CI-6 | 6" rolling thread cast iron nipple |
| <input type="checkbox"/> -CI-8 | 8" rolling thread cast iron nipple |
| <input type="checkbox"/> -CI-12 | 12" rolling thread cast iron nipple |
| <input type="checkbox"/> -CI-24 | 24" rolling thread cast iron nipple |
| <input type="checkbox"/> -FM | Floor mount, back outlet fixture support |
| <input type="checkbox"/> -HD-750 | 750 lb. rated heavy duty |
| <input type="checkbox"/> -HDX | 1,000 lb. rated extra heavy duty |
| <input type="checkbox"/> -HS | Hub and spigot connection |
| <input type="checkbox"/> -OR8 | 8" rolling thread ABS nipple |
| <input type="checkbox"/> -OR12 | 12" rolling thread ABS nipple |

- | SUFFIX | |
|--------------------------------|---|
| <input type="checkbox"/> -PA | Pennsylvania Steel Act compliant product |
| <input type="checkbox"/> -PFAB | Prefabricated carrier |
| <input type="checkbox"/> -01 | Neoprene bowl gasket |
| <input type="checkbox"/> -1 | Finishing / Tiling frame |
| <input type="checkbox"/> -3 | Rear anchor support (Standard) |
| <input type="checkbox"/> -10 | Auxiliary support, recommended with nipple lengths over 12" |
| <input type="checkbox"/> -12 | 12" tapered thread ABS nipple |
| <input type="checkbox"/> -13 | All galvanized |
| <input type="checkbox"/> -14 | Vandal proof finish trim |
| <input type="checkbox"/> -17 | Test plug for custom cast iron nipples |
| <input type="checkbox"/> -19 | Nipple wrench |
| <input type="checkbox"/> -20 | Flush valve support |
| <input type="checkbox"/> -22 | Less fitting |

Job Name: _____
Section No: _____
Schedule No: _____

Page No: _____
Contractor: _____
Purchase Order No: _____

MIFAB reserves the right to make changes in material and design without formal notice and obligation.

USA: 1-800-465-2736 www.mifab.com CAN: 1-800-387-3880

Location: _____

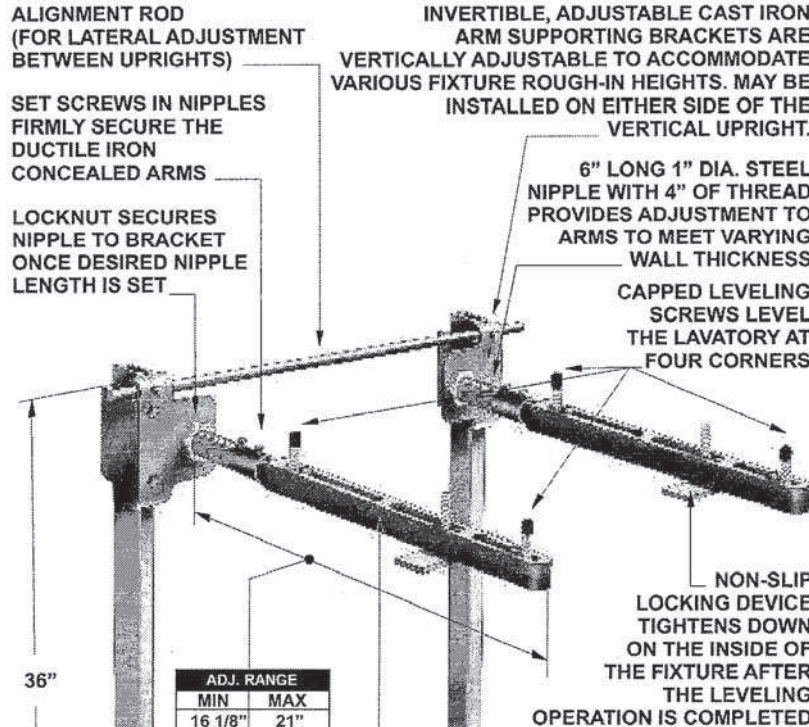


MC-41

FIXTURE CARRIER WITH CONCEALED ARMS

Specification: MIFAB® Series MC-41 floor mounted concealed arm lavatory carrier with lacquered, adjustable, ductile iron concealed support arms. Complete with lacquered cast iron invertible and adjustable arm supporting brackets, adjustable steel nipples with locknut and set screws, alignment rod, two lacquered 2" x 1" x 1/8" thick structural steel uprights with 3" x 4 1/2" welded steel feet and fixture leveling and locking hardware.

Function: Used to support off-the-floor fixtures so that the vertical load bearing components are concealed within the wall. The fixture carrier has no contact with the finished floor inside of the room.



NO EXCEPTION TAKEN ☒ MAKE CORRECTIONS NOTED ☐
REJECTED ☐ REVISE AND RESUBMIT ☐

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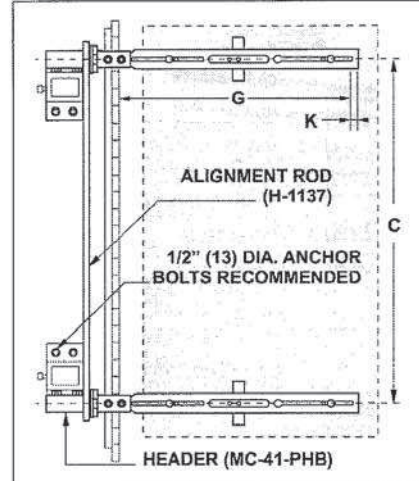
DATE: 12/5/13
4 1/2"
SCREWS AND LOCKING DEVICE AT FACTORY

NOTE: FOOT SUPPORTS SHOULD BE SECURELY ANCHORED TO FLOOR WITH 1/2" (13) BOLTS AND ANCHORS BY OTHERS

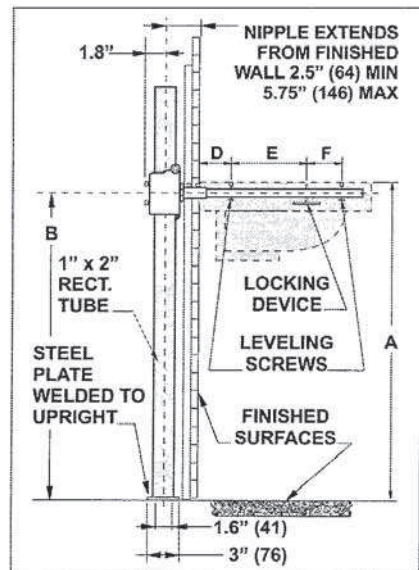
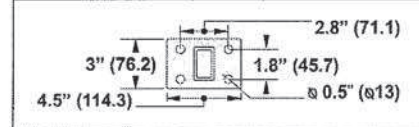
EXTRA HEAVY RECTANGULAR STEEL STRUCTURAL UPRIGHTS (2" x 1" x 1/8" Wall Thickness)

HEAVY DUTY WELDED FEET THAT FIT WITHIN STANDARD STUD WALL CONSTRUCTION

MC-41 Series
Meets ANSI/ASME
fixture carrier standard
A112.6.1M-97



BASE DETAIL



Note: See the various fixture dimensional rough-in guides on the www.mifab.com website.

SUFFIX OPTIONAL VARIATIONS:

- ☐ -A Nipple length over 6" (specify)
- ☐ -B Floor to ceiling uprights (specify height required)
- ☐ -BA Buy American Act compliant product
- ☐ -E2 2" chrome plated escutcheons (pair)
- ☐ -G Wall support plate
- ☐ -NW 1" x 5/8" slots through each upright to accommodate piping for narrow wall installations

SUFFIX

- ☐ -PA Pennsylvania Steel Act compliant product
- ☐ -PFAB Prefabricated carrier
- ☐ -see MC-42 Paraplegic Rough-in
- ☐ -see MC-41D Back to back system
- ☐ -32 Foot pedal mounting plate
- ☐ -88 Mounting hardware for cast iron wall hung lavs

Job Name: _____
Section No: _____
Schedule No: _____

Page No: _____
Contractor: _____
Purchase Order No: _____

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USA: 1-800-465-2736 www.mifab.com CAN: 1-800-387-3880

KOHLER®

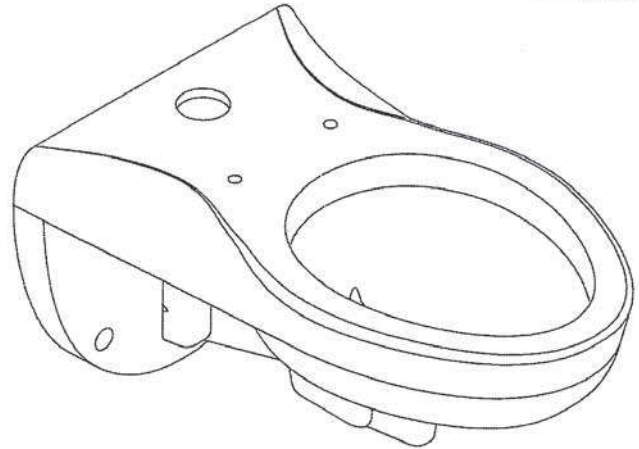
KINGSTON™

Features

- Vitreous china
- 1-1/2" top spud
- 20% water savings over standard 1.6 (6 lpf) model
- Wall-mount
- 1.28 gpf (4.85 lpf)
- ADA compliant (when installed following installation notes)
- With bedpan lugs (-L)
- Siphon jet
- 10-1/2" (26.7 cm) x 9" (22.9 cm) water area
- 26-1/2" (67.3 cm) x 16-1/2" (41.9 cm) x 13-1/4" (33.7 cm)

**BOWL
K-4325**

ADA



Codes/Standards Applicable

Specified model meets or exceeds the following:

- ADA
- ASME A112.19.2
- ICC/ANSI A117.1
- Energy Policy Act of 1992
- CSA B45

Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Accessories

- 0: White
- CP: Polished Chrome
- Other: Refer to Price Book for additional colors/finishes

→ BA - Buy American Act Compliant

Specified Model

Model	Description	Colors/Finishes	
K-4325	Elongated bowl toilet	<input type="checkbox"/> 0	<input type="checkbox"/> Other _____
K-4325-L	Elongated bowl toilet with bedpan lugs	<input type="checkbox"/> 0	<input type="checkbox"/> Other _____

Recommended Accessories

K-10956	1.28 gpf (4.85 lpf) Touchless™ DC toilet flushometer	<input type="checkbox"/> CP	
K-4731-C	Stronghold™ open front elongated seat	<input type="checkbox"/> 0	<input type="checkbox"/> Other _____
K-4731-SC	Stronghold™ open front elongated seat with integrated handle	<input type="checkbox"/> 0	<input type="checkbox"/> Other _____
K-4731-GC	Stronghold™ Quiet Close™ open front elongated seat	<input type="checkbox"/> 0	<input type="checkbox"/> Other _____

Product Specification:

The elongated bowl shall be wall-mount with a 1-1/2" top spud. Bowl shall be made of vitreous china. Bowl shall have 10-1/2" (26.7 cm) x 9" (22.9 cm) water area. Bowl shall be 1.28 gpf (4.85 lpf). Bowl shall have 20% water savings over standard 1.6 (6 lpf) models. Bowl shall be ADA compliant (when installed following installation notes). Bowl shall have bedpan lugs (-L). Bowl shall have siphon jet. Bowl shall be Kohler Model K-4325-_____

SLOAN
OPTIMA SYSTEMS

**Royal®
Model**

OPTIMA®

Sensor Activated Flushometers

111-1.28 ES-S

► **Description**

Exposed, Sensor Activated Royal® Model Water Closet Flushometer, for floor mounted or wall hung top spud bowls.

► **Flush Cycle**

Model 111-1.28 ES-S High-Efficiency (1.28 gpf/4.8 Lpf)

► **Specifications**

Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer with the following features:

- PERMEX™ Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- OPTIMA® EL-1500-L Self-Adaptive Infrared Sensor with Indicator Light
- User friendly three (3) second Flush Delay
- Courtesy Flush™ Override Button
- Non-Hold-Open Integral Solenoid Operator
- Die Cast Sensor Plate with no visible Fasteners (for 2-gang Electrical Box)
- Die Cast Solenoid Wall Cover Plate with no visible Fasteners (for 2-gang Electrical Box)
- 1. I.P.S. Screwdriver Bak-Chek® Angle Stop
- Free Spinning Vandal Resistant Stop Cap
- Adjustable Tailpiece
- High Back Pressure Vacuum Breaker Flush Connection with One-Piece Bottom Hex Coupling Nut, Spud Coupling and Flange for 1½" Top Spud
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange w/Set Screw
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Integral Solenoid Operator, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flush Accuracy Controlled by CID™ Technology
- Diaphragm, Stop Seat and Vacuum Breaker molded from PERMEX™ Rubber Compound for Chloramine Resistance

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME A112.19.2. Installation conforms to ADA requirements.

► **Variations**

- ☐ TP Trap Primer
- ☐ YG Extended Bumper on Angle Stop (for seat with cover)
- ☐ YO Bumper on Angle Stop (for open seat without cover)

► **Accessories**

- ☐ EL-154 Transformer (120 VAC/24 VAC 50 VA)
- ☐ EL-342 Transformer (240 VAC/24 VAC 50 VA)
- ☐ EL-485-A Flushometer Electrical Box Positioning and Support Kit

See Accessories Section and OPTIMA® Accessories Section of the Sloan catalog for details on these and other OPTIMA® Flushometer variations.

► **Fixtures**

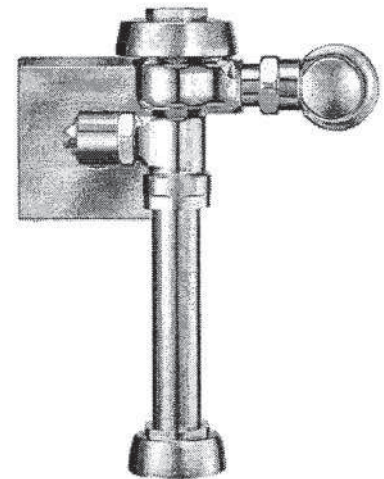
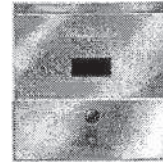
Consult Sloan for Sloan brand matching fixture options.

NO EXCEPTION TAKEN ☒ MAKE CORRECTIONS NOTED ☐
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Job Name			
Model Specified	GAYNER ENGINEERS Quantity		
Variations Specified	DATE: 12/5/13 BY: JSY		
Customer/Wholesaler			
Contractor			
Architect			

HET
HIGH-EFFICIENCY TOILET



► **Automatic**

Sloan OPTIMA® equipped Flushometers provide the ultimate in sanitary protection and automatic operation. There are no handles to trip or buttons to push. The Flushometer operates by means of an infrared sensor that adapts to its surrounding. Once the user enters the sensor's effective range and then steps away, the Flushometer Solenoid initiates the flushing cycle to flush the fixture.

► **Hygienic**

User makes no physical contact with the Flushometer surface except to initiate the Override Button when required. Helps control the spread of infectious diseases. 24-Hour Sentinel Flush keeps fixture fresh during periods of nonuse.

► **Economical**

Automatic operation provides water usage savings over other flushing devices. Reduces maintenance and operation costs.

► **Practical**

Solid state electronic circuitry assures years of dependable, trouble-free operation. The operational components of the Flushometer are identical to a handle activated Royal® Flushometer, proven by over 100 years of experience.

► **Warranty**

3 year (limited)

Sloan Electronics are:

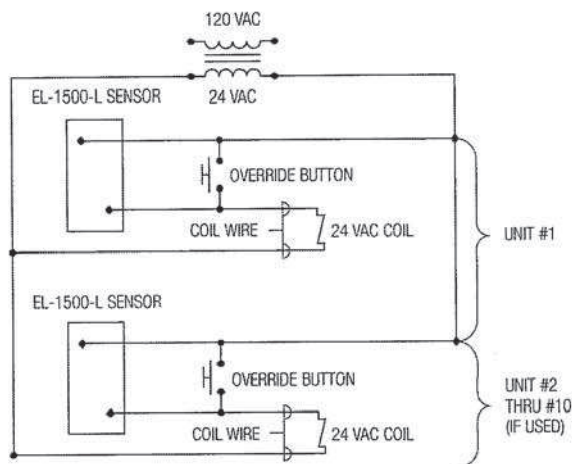


- **Description**
Exposed, Sensor Activated Royal® Model Water Closet Flushometer, for floor mounted or wall hung top spud bowls.

- **Flush Cycle**
Model 111-1.28 ES-S High-Efficiency (1.28 gpf/4.8 Lpf)

ELECTRICAL SPECIFICATIONS

- **Control Circuit**
Solid State
24 VAC Input
24 VAC Output
8 Second Arming Delay
3 Second Flush Delay
24-Hour Sentinel Flush
- **OPTIMA® Sensor Range**
Nominal 22" - 42" (559 mm - 1067 mm)
Self-adaptive Window: ± 10" (254 mm)
- **Solenoid Operator**
24 VAC, 50/60 Hz
- **Transformer**
Sloan Part #EL-154
120 VAC, 50/60 Hz Primary
24 VAC, 50/60 Hz Secondary
Class II, UL Listed, 50 VA.
- Sloan Part #EL-342
240 VAC, 50/60 Hz Primary
24 VAC, 50/60 Hz Secondary
Class II, UL Listed, 50 VA.



One Transformer serves up to ten (10) OPTIMA® Closet/Urinal Flushometers. Specify number of transformers required accordingly.

OPERATION

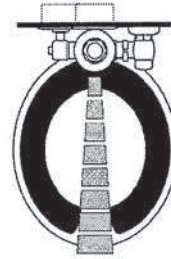
1. A continuous, invisible light beam is emitted from the OPTIMA® Sensor.



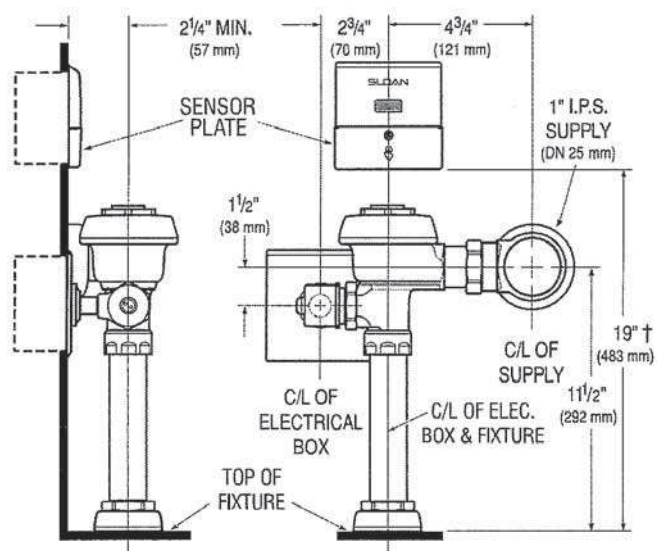
2. As the user enters the beam's effective range (22" to 42") the beam is reflected into the OPTIMA® Scanner Window and transformed into a low voltage electrical circuit. Once activated, the Output Circuit continues in a "hold" mode for as long as the user remains within the effective range of the Sensor.



3. When the user steps away from the OPTIMA® Sensor, the circuit waits 3 seconds (to prevent false flushing) then initiates an electrical "one-time" signal that operates the Solenoid. This initiates the flushing cycle to flush the fixture. The Circuit then automatically resets and is ready for the next user.



ROUGH-IN

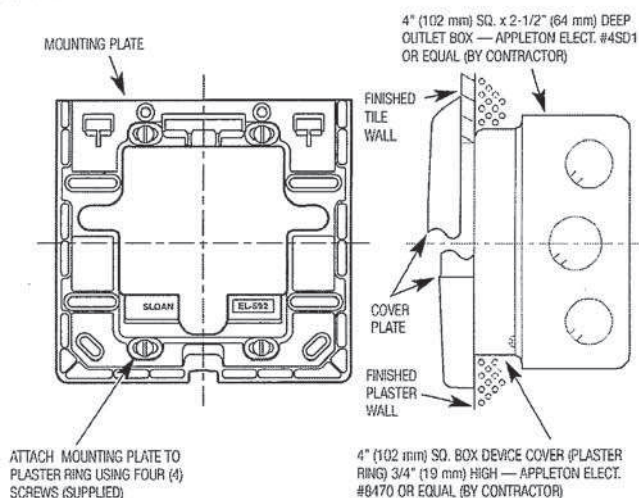


† Position of Sensor Box can be raised or lowered 1" (25 mm) if in conflict with Handicap Grab Bars.

ELECTRICAL BOX INSTALLATION

SENSOR LOCATION AND POSITIONING IS CRITICAL

Failure to properly position the electrical boxes to the plumbing rough-in will result in improper installation and impair product performance. All tradesmen (plumbers, electricians, tile setters, etc.) involved with the installation of this product must coordinate their work to assure proper product installation. Installation Template furnished with Flushometer.



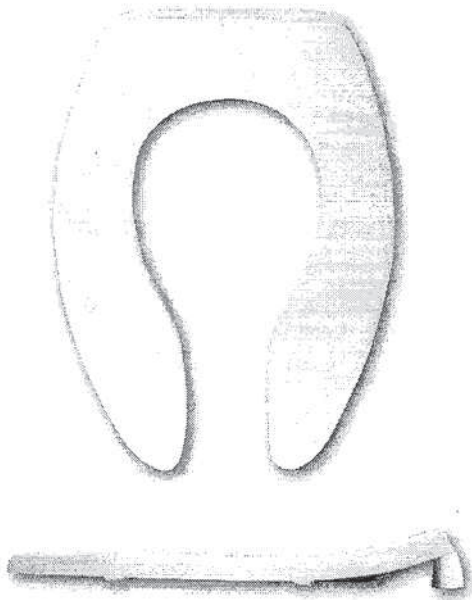
To ensure a perfect rough-in, Sloan recommends the use of the EL-485-A Flushometer Electrical Box Positioning and Support Kit. Specify and order the EL-485-A Kit separately. When using the EL-485-A Kit, the Solenoid Plate roughs in at the Urinal location. Consult factory for installation details.

SLOAN VALVE COMPANY • 10500 SEYMOUR AVENUE • FRANKLIN PARK, IL 60131

Phone: 1-800-982-5839 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380 • www.sloanvalve.com



COMMERCIAL HEAVY-DUTY PLASTIC TOILET SEAT



MODEL #

COLOR #

1655CT/1655SSCT

WHITE

DESCRIPTION:

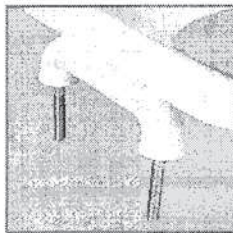
Open front less cover, elongated, heavy-duty, injection molded solid plastic toilet seat. Features four molded-in bumpers, non self-sustaining (1655CT) or self-sustaining (1655SSCT) check hinges with non-corrosive 300 Series stainless steel posts and pintles and STA-TITE® Commercial Fastening System™. This seat complies with American National Standard Z124.5 Toilet (Water Closet) Seats as a class Commercial Heavy Duty.

SPECIFICATIONS:

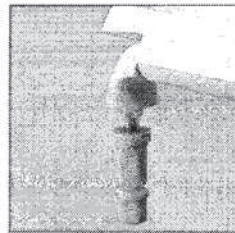
Size: Elongated
Material: Plastic
Style: Open Front less Cover
Bumpers: Four
Hinges: Plastic Non Self-Sustaining (1655CT) or Self-Sustaining (1655SSCT) with 300 Series Stainless Steel Posts and Pintles
Fastening System: STA-TITE® Commercial Fastening System™

FEATURES:

STA-TITE® Commercial Fastening System™
Non-Corrosive 300 Series Stainless Steel Posts and Pintles

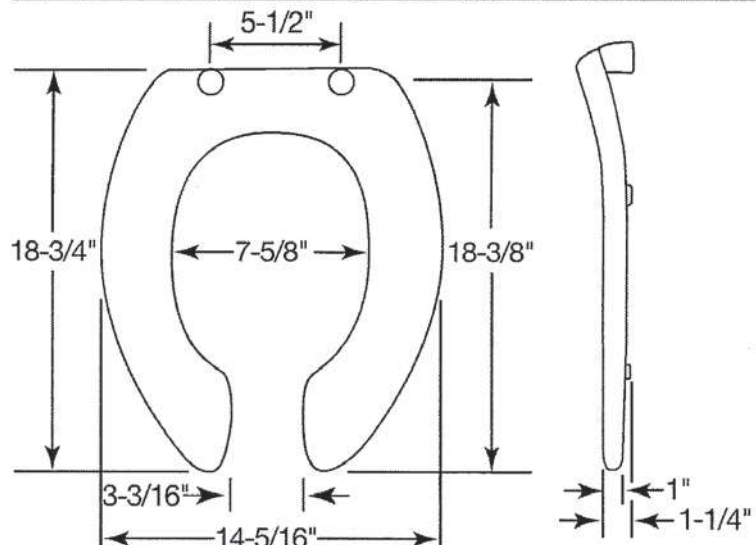


PLASTIC HINGES WITH
STAINLESS STEEL POSTS
AND PINTLES



STA-TITE® COMMERCIAL
FASTENING SYSTEM™

DIMENSIONS:



NO EXCEPTION TAKEN ☒ MAKE CORRECTIONS NOTED ☐
REJECTED ☐ REVISE AND RESUBMIT ☐

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GAYNER ENGINEERS

DATE: 12/5/13 BY: JSY

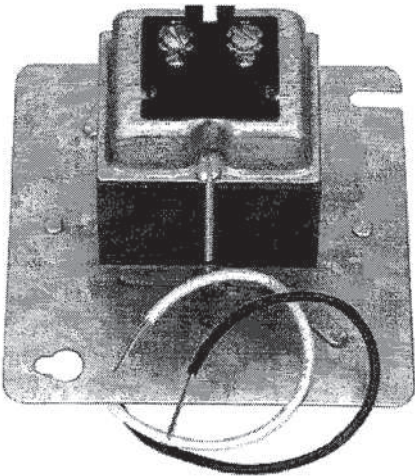


Bemis Manufacturing Co., Sheboygan Falls, WI 53085
www.BemisSeats.com

Phone: 920-467-4621 | 800-558-7651 Fax: 920-467-8573
©2010 0B7012285

**MICROPlumb®
PRODUCTS
50 VA
Transformer**

**EL
154**



► **Description**

Box-Mount Transformer designed for use with PWT Systems; Operates up to 10 water closet or urinal (any combination) Flushometers.

► **Specifications**

- 120 VAC Input, 50/60 Hz Primary
- 24 VAC Output, 50/60 Hz Secondary
- Class II, UL Listed
- 50 VA

► **Usage**

Recommended for use on multi-combination units or more than three lavatory/shower solenoid valves.

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REJECTED ☐ REVISE AND RESUBMIT ☐

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GAYNER ENGINEERS

DATE: 12/05/13 BY: JSY

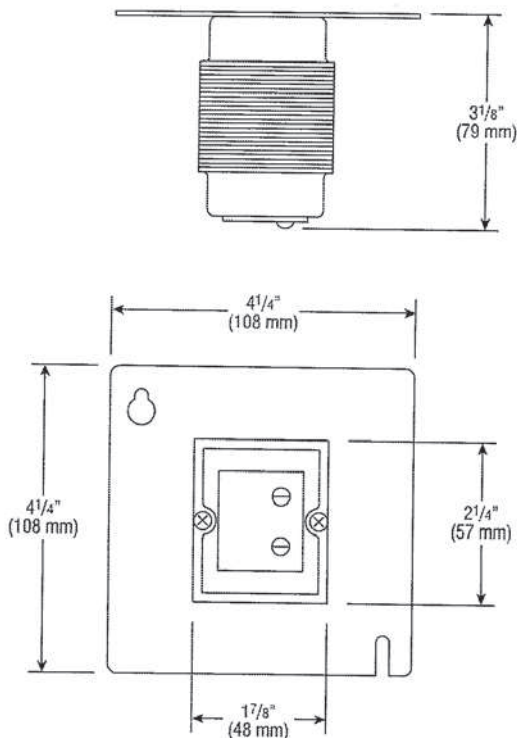
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The information contained in this document is subject to change without notice.



**PROGRAMMED WATER
TECHNOLOGIES**
A SLOAN VALVE COMPANY

10500 Seymour Avenue • Franklin Park, Illinois 60131-1259
Phone 800-671-6970 • Fax 847-671-6944



ELECTRONIC-AC FAUCETS

116.428.AB.1



a Geberit company

Electronic Faucets

Product Type

Deck Mounted Single Hole HyTronic Gooseneck Sink Faucet with Dual Beam Infrared Sensor

Features & Specifications

- Single Hole
- 5 1/4" Flow Control Rigid / Swing Gooseneck Spout
- Dual Supply for Hot and Cold Water Service
- 12 Volt AC Transformer Required (Order Separately)
- Stainless Steel Hoses Included
- Concealed Internal Temperature Control Mixer
- 1.5 GPM (5.7 L/min) Laminar Flow Control Insert in Spout Inlet
- Multiple Field Adjustable Modes and Ranges
- Geberit Commander™ Software Compatible
- ECAST® design provides durable brass construction with total lead content equal to or less than 0.25% by weighted average
- CFNow! Item Ships in 5 Days

Performance Specification

- Rated Operating Pressure: 20-125 PSI
- Rated Operating Temperature: 40-140°F

Warranty

- Lifetime Limited Faucet Warranty
- 1-Year Limited Finish Warranty
- 5-Year Limited Mechanical Warranty
- 3-Year Limited Electronics and Solenoid Warranty

Codes & Standards

- ASME A112.18.1/CSA B125.1
- Certified to NSF/ANSI 61, Section 9 by CSA
- California Health and Safety Code 116875 (AB1953-2006)
- Vermont Bill S.152
- NSF/ANSI 372 Low Lead Content
- ADA ANSI/ICC A117.1
- CALGreen

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

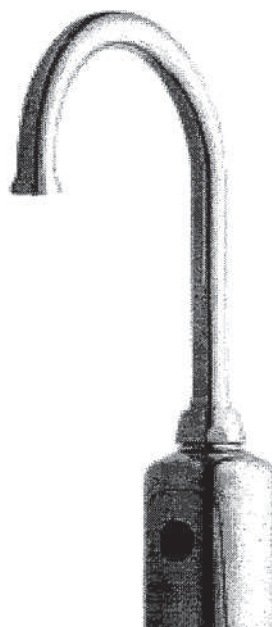
Architect _____

Engineer _____

Contractor _____

[] Submitted as Shown [] Submitted with Variations

Date _____



ECAST

ECAST products are intended for installation where state laws and local codes mandate lead content levels or in any location where lead content

NO EXCEPTION TAKEN ☐ MAKE CORRECTIONS NOTED ☒
REJECTED ☐ REVISE AND RESUBMIT ☐

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GAYNER ENGINEERS

DATE: 12/05/13 BY: JSY

Specified with polycarbonite for scratch resistance.



2100 South Clearwater Drive
Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

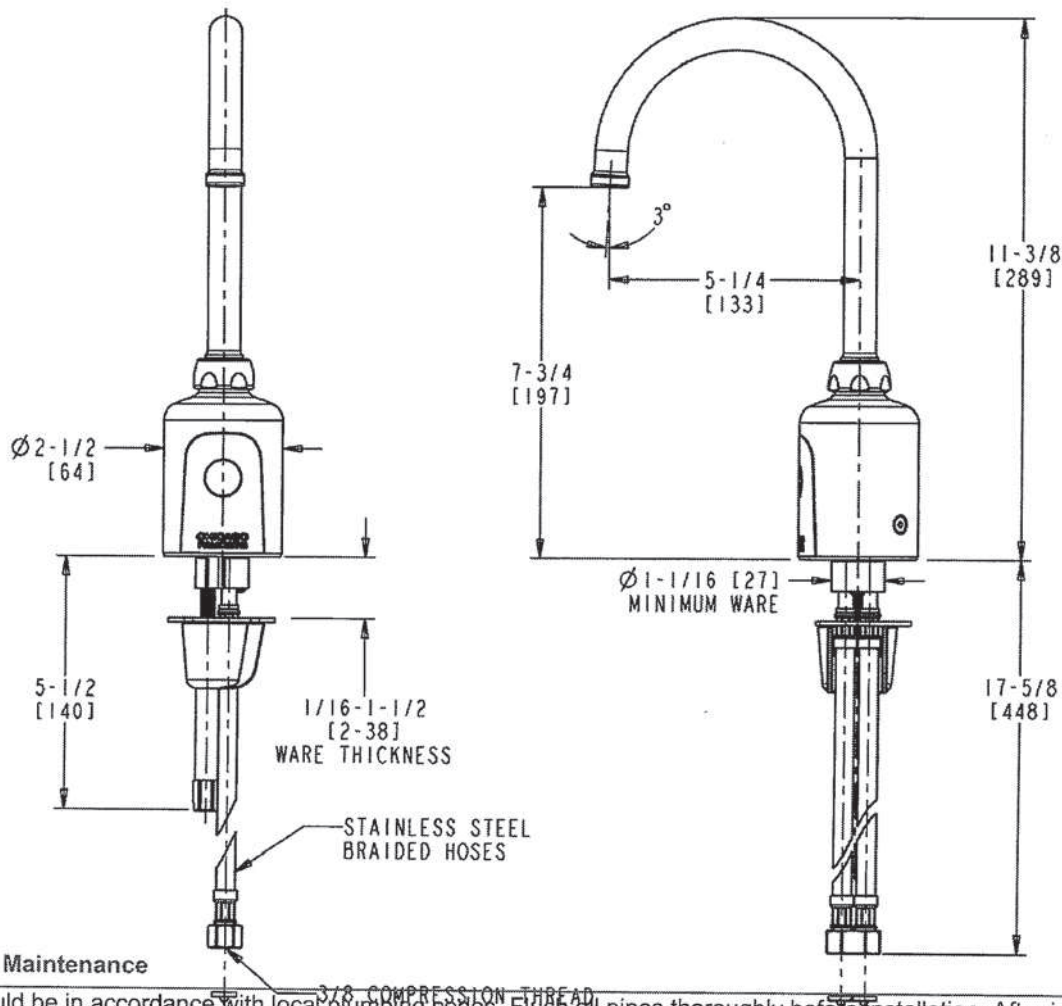
116.428.AB.1

Electronic Faucets



Architect/Engineer Specification

Chicago Faucets No. 116.428.AB.1, Deck Mounted Single Hole HyTronic Gooseneck Sink Faucet with Dual Beam Infrared Sensor, polished chrome plated solid brass construction 5 1/4" Center to Center Flow Control Rigid / Swing Gooseneck Spout. 1.5 GPM (5.7 L/min) Laminar Flow Control Insert in Spout Inlet. Dual Supply for Hot and Cold Water Service. 12 Volt AC Transformer Required (Order Separately). Stainless Steel Hoses Included. Concealed Internal Temperature Control Mixer. Multiple Field Adjustable Modes and Ranges. Geberit Commander™ Software Compatible. ECAST® construction with less than 0.25% lead content by weighted average. CALGreen Compliant. This product meets ADA ANSI/ICC A117.1 requirements and is tested and certified to industry standards: ASME A112.18.1/CSA B125.1, Certified to NSF/ANSI 61, Section 9 by CSA, California Health and Safety Code 116875 (AB1953-2006), Vermont Bill S.152, NSF/ANSI 372 Low Lead Content, and California Green Building Standards Code (CALGreen).



Operation and Maintenance

Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap and warm water for cleaning and protecting the life of Chicago Faucet products. For specific operation and maintenance refer to the installation instructions and repair parts documents that are located at www.chicagofaucets.com.

Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option 1 for installation or other technical assistance.



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Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

ACCESSORIES AND PARTS

240.630.00.1

**CHICAGO
FAUCETS**

a Geberit company

Product Type

Transformer Plug-in - Single Use

Features & Specifications

- Class 2A Transformer
- Standard 2 Prong 115V Outlet
- Input Voltage 120VAC 60Hz
- Output Voltage 12VAC
- Output Current 50mA
- Short Circuit (Thermal Cutout) Protection

Warranty

- 1-Year Manufacturing Material Defects Warranty

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

Architect _____

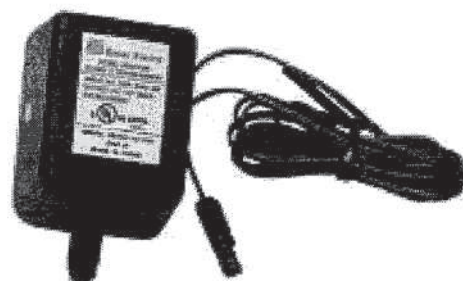
Engineer _____

Contractor _____

[] Submitted as Shown

[] Submitted with Variations

Date _____



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GAYNER ENGINEERS

DATE: 12/05/13 BY: JSY

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Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

Sec 22 40 00 Plumbing Fixtures 2.7 Lavatory P404

P404



McGuire Manufacturing Co., Inc.

60 Grandview Court
P.O. Box 746 ♣ Cheshire, CT 06410
203-699-1801 ♣ Fax: 203-699-1813
www.mcguiremfg.com

PRODUCT SPECIFICATION

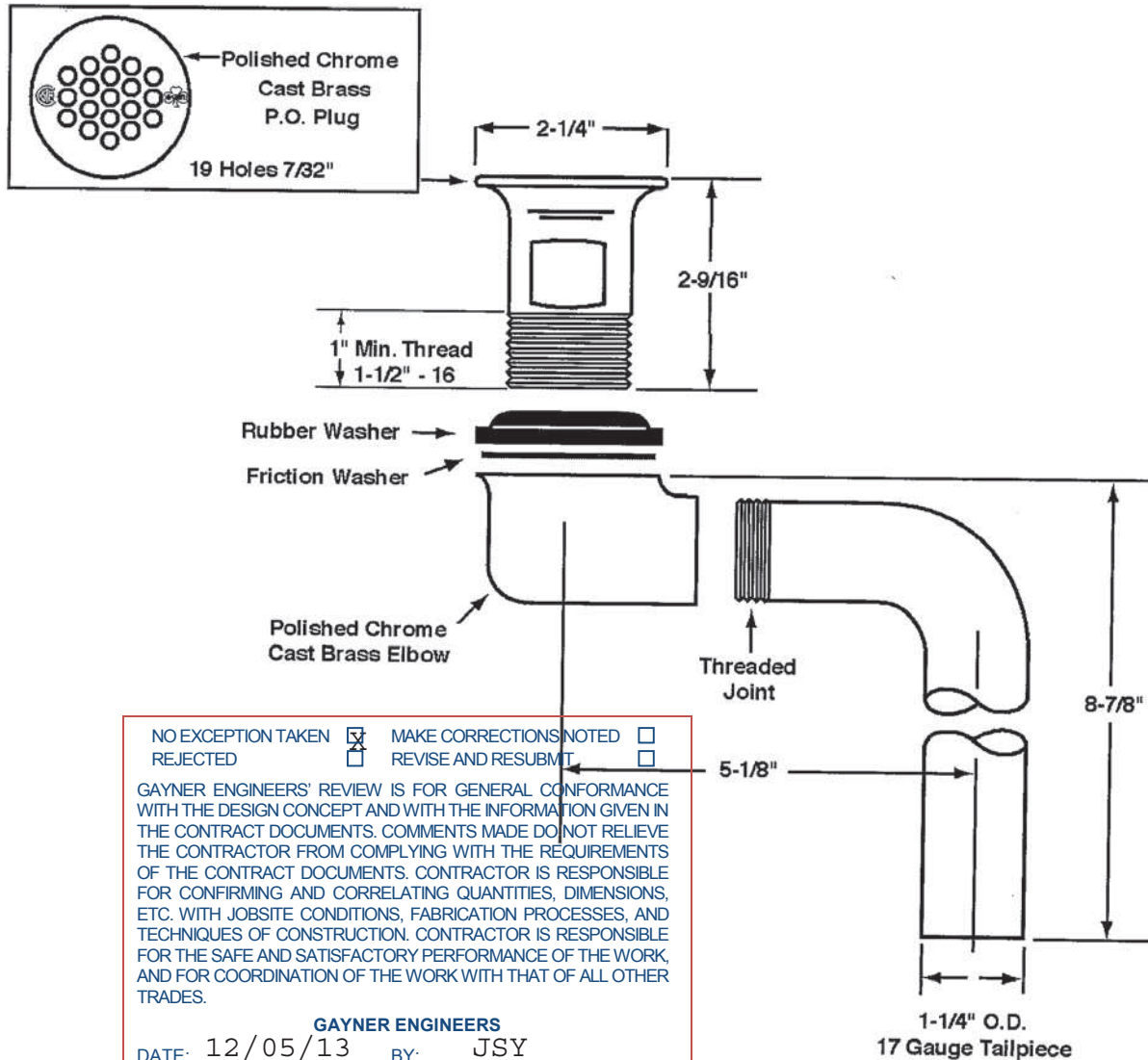
Part No.

155WC

Offset Lavatory
Grid Strainer

Job Name:

Submittal Number:



See options and accessories section for details on product variations.



Specifications:

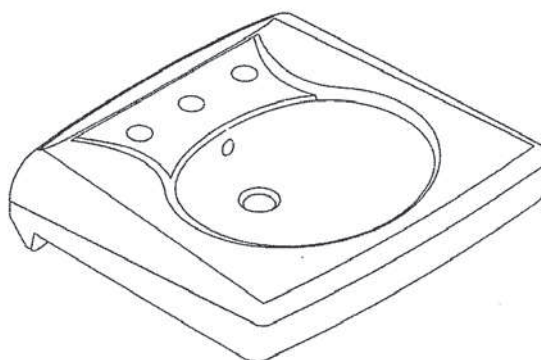
Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow, 17 gauge 1-1/4 inch seamless brass offset tailpiece, heavy rubber basin washer and fiber friction washer. Offset lavatory strainer shall be in compliance with CSA or other recognized testing authority and bear both manufacturer and testing mark.

KOHLER®

P 418

BRENHAM™**Features**

- Vitreous china
- Wall-mount
- With hanger
- With overflow
- Drilled for concealed arm carrier
- 8" (203 mm) centers (-8), 4" (102 mm) centers (-4), or single-hole (-1)
- Optional soap dispenser hole on left (-L) or right (-R) (single-hole models only)
- 21-15/16" (557 mm) x 19-3/4" (502 mm)

WALL-MOUNT BATHROOM SINK**K-1997****ADA****TAS****CSA B651****OBC****Codes/Standards Applicable**

Specified model meets or exceeds the following:

- ADA
- ICC/ANSI A117.1
- TAS
- CSA B651
- OBC
- ASME A112.19.2/CSA B45.1

Colors/Finishes

- 0: White
- CP: Polished Chrome
- Other: Refer to Price Book for additional colors/finishes

Specified Model

Model	Description	Colors/Finishes	
K-1997-1	Wall-mount bathroom sink – single-hole, less soap dispenser hole	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-1997-1L	Wall-mount bathroom sink – single-hole, soap dispenser hole on left	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-1997-1R	Wall-mount bathroom sink – single-hole, soap dispenser hole on right	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-1997-4	Wall-mount bathroom sink – 4" (102 mm) centers, less soap dispenser hole	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-1997-8	Wall-mount bathroom sink – 8" (203 mm) centers, less soap dispenser hole (shown)	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
Additional bathroom sinks are available without an overflow. Please refer to the Kohler Price Book.			
Optional Accessories			
K-8998	P-trap	<input type="checkbox"/> CP	<input type="checkbox"/> Other_____
K-1998	Shroud	<input type="checkbox"/> CP	<input type="checkbox"/> Other_____

Product Specification

The wall-mount bathroom sink shall be made of vitreous china. Product shall be 21-15/16" (557 mm) in length and 19-3/4" (502 mm) in width. Product shall be available with 8" (203 mm) centers (-8), 4" (102 mm) centers (-4), or single-hole (-1). Product shall feature an overflow and hanger. Product shall be drilled for a concealed arm carrier. Product shall have an optional soap dispenser hole on left (-L) or right (-R) (single-hole models only). Bathroom sink shall be Kohler Model K-1997-____-_____.

BRENHAM™

Technical Information

Fixture*:	
Basin area	14-3/8" (406 mm) x 12-5/16" (365 mm)
Water depth	3-1/4" (83 mm)
Hole diameter	
Drain	1-3/4" (44 mm)
Spout	1-3/8" (35 mm)
Handle	1-3/8" (35 mm)
Soap dispenser	1-1/4" (32 mm)

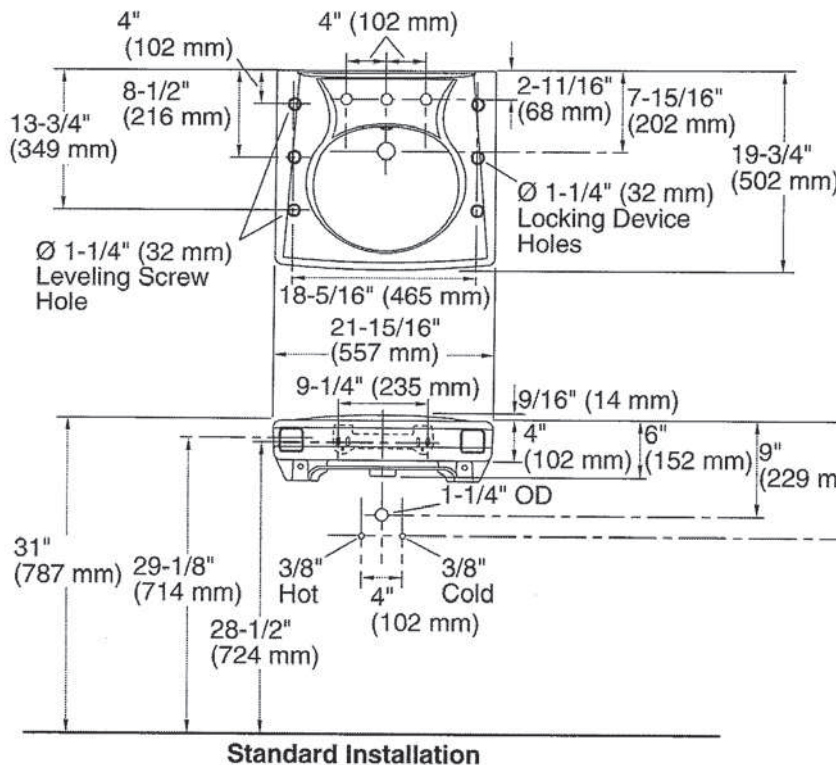
* Approximate measurements for comparison only.

NO EXCEPTION TAKEN ☒ MAKE CORRECTIONS NOTED ☐
REJECTED ☐ REVISE AND RESUBMIT ☐

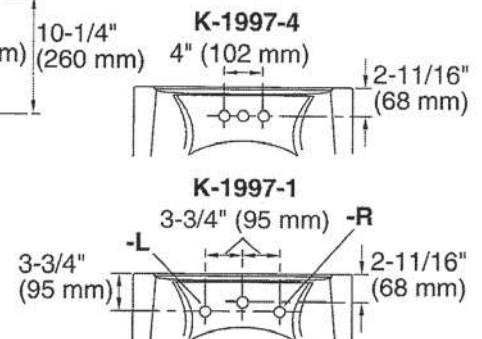
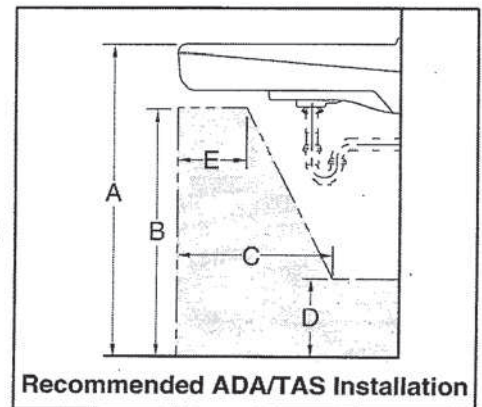
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GAYNER ENGINEERS

12/05/13 BY: JSY
Concealed Arm Hole Location K-1997-8



Standard Installation



Product Diagram

Sec 22 4000 Plumbing Fixtures
ELECTRONIC-AC FAUCETS

2.7 LAVATORY P418



116.428.AB.1

Electronic Faucets

Product Type

Deck Mounted Single Hole HyTronic Gooseneck Sink Faucet
with Dual Beam Infrared Sensor

Features & Specifications

- Single Hole
- 5 1/4" Flow Control Rigid / Swing Gooseneck Spout
- Dual Supply for Hot and Cold Water Service
- 12 Volt AC Transformer Required (Order Separately)
- Stainless Steel Hoses Included
- Concealed Internal Temperature Control Mixer
- 1.5 GPM (5.7 L/min) Laminar Flow Control Insert in Spout Inlet
- Multiple Field Adjustable Modes and Ranges
- Geberit Commander™ Software Compatible
- ECAST® design provides durable brass construction with total lead content equal to or less than 0.25% by weighted average
- CFNow! Item Ships in 5 Days

Performance Specification

- Rated Operating Pressure: 20-125 PSI
- Rated Operating Temperature: 40-140°F

Warranty

- Lifetime Limited Faucet Warranty
- 1-Year Limited Finish Warranty
- 5-Year Limited Mechanical Warranty
- 3-Year Limited Electronics and Solenoid Warranty

Codes & Standards

- ASME A112.18.1/CSA B125.1
- Certified to NSF/ANSI 61, Section 9 by CSA
- California Health and Safety Code 116875 (AB1953-2006)
- Vermont Bill S.152
- NSF/ANSI 372 Low Lead Content
- ADA ANSI/ICC A117.1
- CALGreen

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

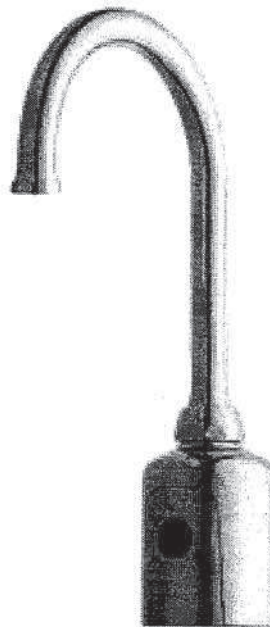
Architect _____

Engineer _____

Contractor _____

[] Submitted as Shown [] Submitted with Variations

Date _____



Specified with
polycarbonite for
scratch resistance.

ECAST

ECAST products are intended for installation where state laws and local codes mandate lead content levels or in any location where lead content is a concern.

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DATE: 12/05/13 BY: JSY



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Technical: 800/TEC-TRUE
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116.428.AB.1

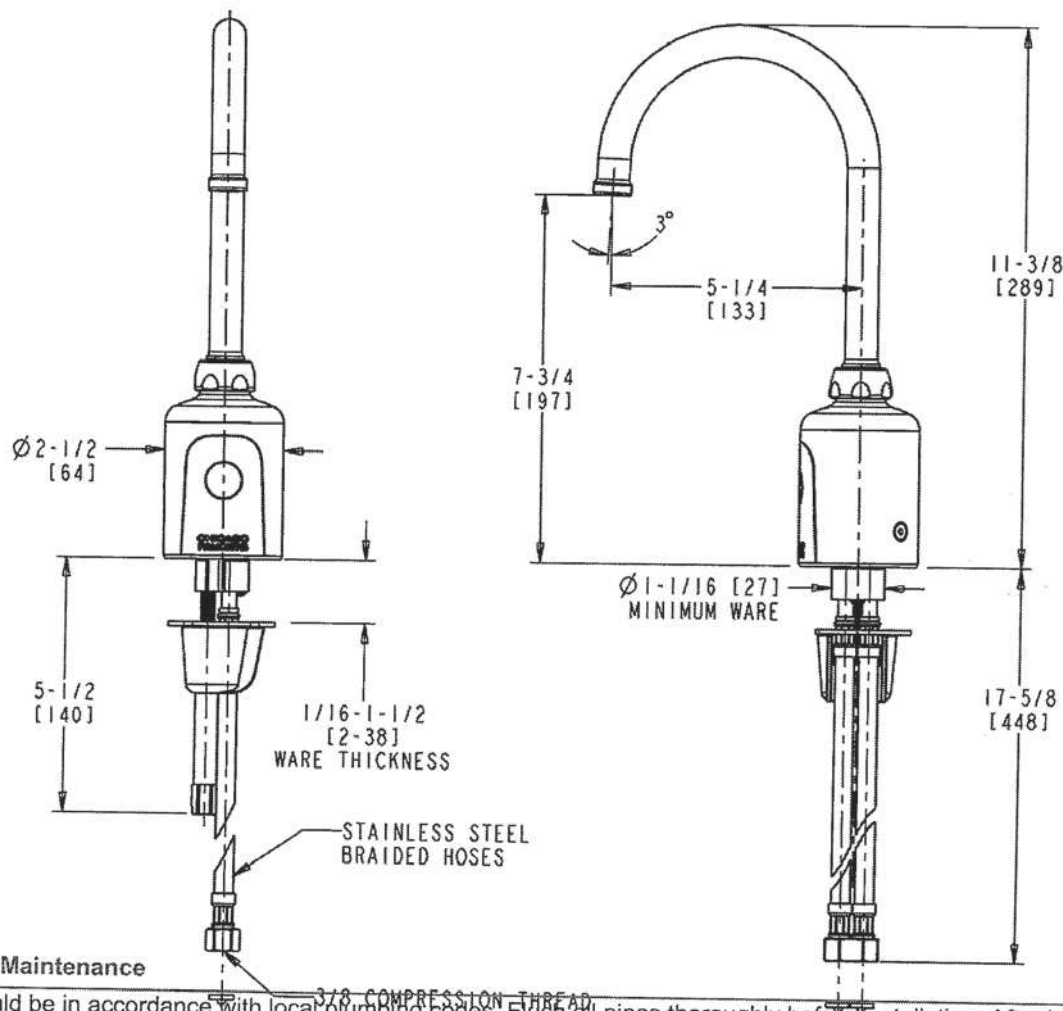
Electronic Faucets

**CHICAGO
FAUCETS**

a Geberit company

Architect/Engineer Specification

Chicago Faucets No. 116.428.AB.1, Deck Mounted Single Hole HyTronic Gooseneck Sink Faucet with Dual Beam Infrared Sensor, polished chrome plated solid brass construction 5 1/4" Center to Center Flow Control Rigid / Swing Gooseneck Spout. 1.5 GPM (5.7 L/min) Laminar Flow Control Insert in Spout Inlet. Dual Supply for Hot and Cold Water Service. 12 Volt AC Transformer Required (Order Separately). Stainless Steel Hoses Included. Concealed Internal Temperature Control Mixer. Multiple Field Adjustable Modes and Ranges. Geberit Commander™ Software Compatible. ECAST® construction with less than 0.25% lead content by weighted average. CALGreen Compliant. This product meets ADA ANSI/ICC A117.1 requirements and is tested and certified to industry standards: ASME A112.18.1/CSA B125.1, Certified to NSF/ANSI 61, Section 9 by CSA, California Health and Safety Code 116875 (AB1953-2006), Vermont Bill S.152, NSF/ANSI 372 Low Lead Content, and California Green Building Standards Code (CALGreen).



Operation and Maintenance

Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap and warm water for cleaning and protecting the life of Chicago Faucet products. For specific operation and maintenance refer to the installation instructions and repair parts documents that are located at www.chicagofaucets.com.

Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option 1 for installation or other technical assistance.



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Des Plaines, IL
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F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

Sec 224000 Plumbing Fixtures 2.7 LAVATORY P418
ACCESSORIES AND PARTS

240.630.00.1

**CHICAGO
FAUCETS**

a Geberit company

Product Type

Transformer Plug-in - Single Use

Features & Specifications

- Class 2A Transformer
- Standard 2 Prong 115V Outlet
- Input Voltage 120VAC 60Hz
- Output Voltage 12VAC
- Output Current 50mA
- Short Circuit (Thermal Cutout) Protection

Warranty

- 1-Year Manufacturing Material Defects Warranty

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

Architect _____

Engineer _____

Contractor _____

[] Submitted as Shown

[] Submitted with Variations

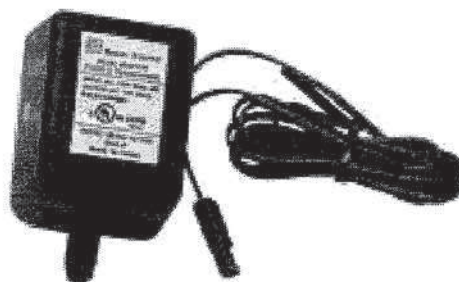
Date _____

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GAYNER ENGINEERS

DATE: 12/05/13 BY: JSY



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Technical: 800/TEC-TRUE
www.chicagofaucets.com



McGuire Manufacturing Co., Inc.

60 Grandview Court
P.O. Box 746 ♣ Cheshire, CT 06410
203-699-1801 ♣ Fax: 203-699-1813
www.mcguiremfg.com

PRODUCT SPECIFICATION

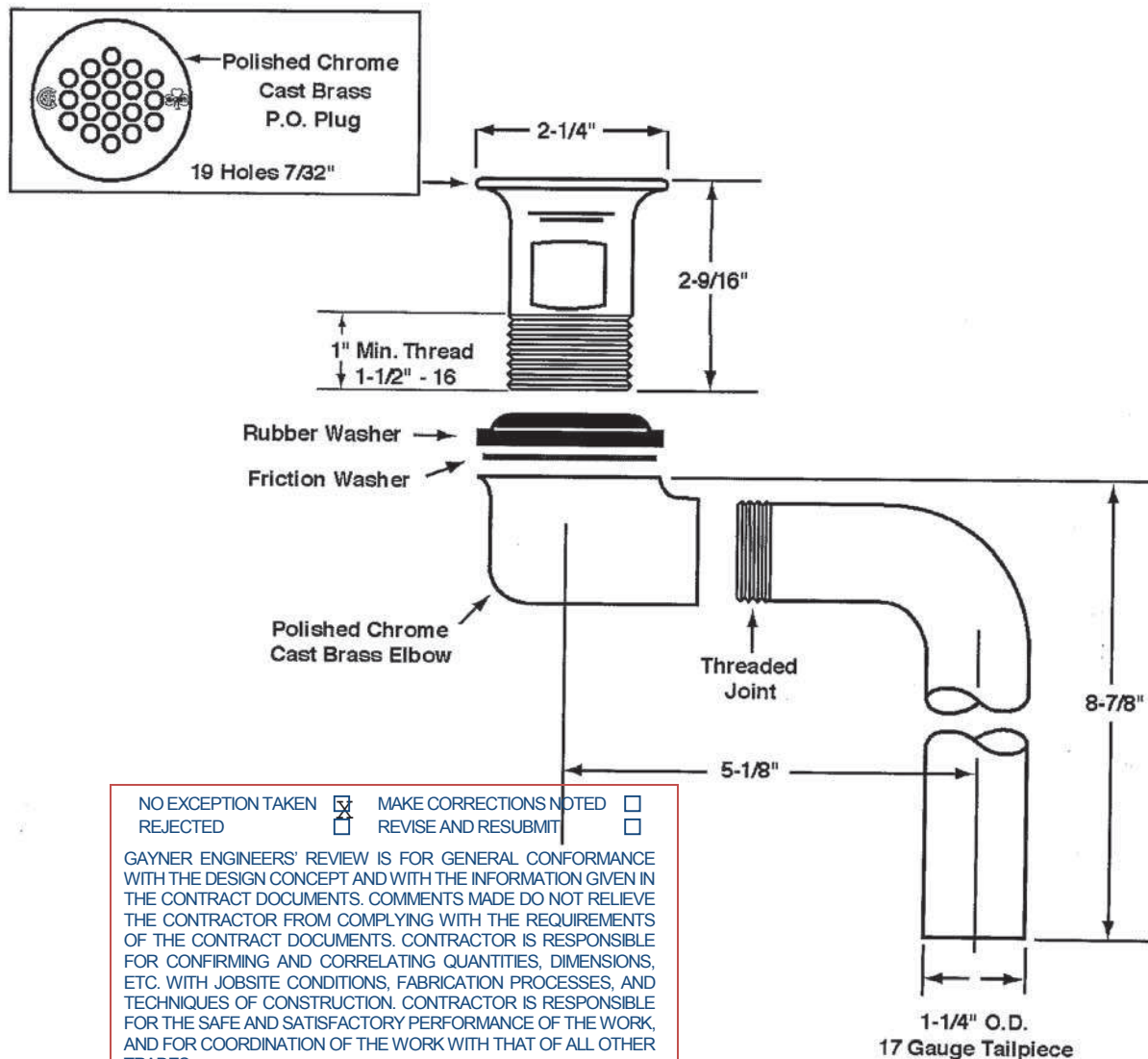
Part No.

155WC

**Offset Lavatory
Grid Strainer**

Job Name:

Submittal Number:



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REJECTED ☐ REVISE AND RESUBMIT ☐

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GAYNER ENGINEERS

DATE: 12/05/13 BY: JSY

A.D.A.



See options and accessories section for details on product variations.

Specifications:

Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow, 17 gauge 1-1/4 inch seamless brass offset tailpiece, heavy rubber basin washer and fiber friction washer. Offset lavatory strainer shall be in compliance with CSA or other recognized testing authority and bear both manufacturer and testing mark.

Submittal Number:	029	Date Recd:	1/31/2014
Specifications Sections:	102800 - - -		
Subcontractor:	Toilet Room Accessories		
Submittal Type:	Product Data/Other - - -		
Description:	Robe Hooks, Grab Bars, Mirror, Paper Towel Dispenser		

☐ **1. Reviewed/No Exceptions Taken (UON)**

☒ **2. Make Corrections Noted (Resubmittal Not Required)**

Per the specifications, the coat/robe hook is to have a satin finish.

Grab bars shall be per the dimensions noted on AS0.01. Required length excludes the curved returns. Also, please note that Toilet B2-102B is not an accessible toilet and does not require grab bars.

☐ **3. Revise as Noted and Resubmit**

☐ **4. Incomplete Submittal, Submit Missing Information**

☐ **5. Rejected, Resubmit as Specified**

☒ **6. Retained for A/E/Owner Record Only, without A/E Review**

Paper towel dispenser was not reviewed. VA Palo Alto EMS will provide.

Other Comments



AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, NY 10701
(914) 476.9000 • (914) 476.0688
www.americanspecialties.com

MODEL №: 7340

ISSUED: 01/87

REVISED: 08/11

SINGLE ROBE HOOK



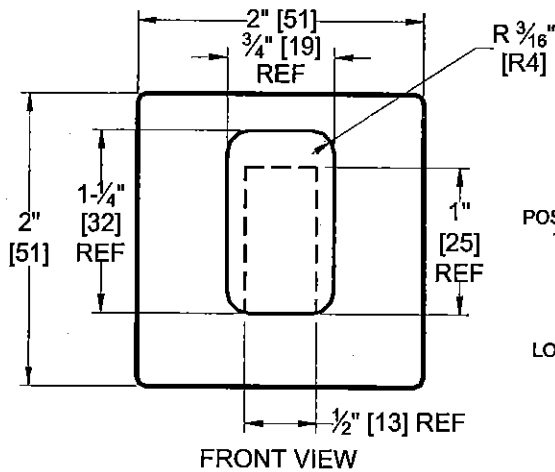
W= WHITE (POWDER COATED)



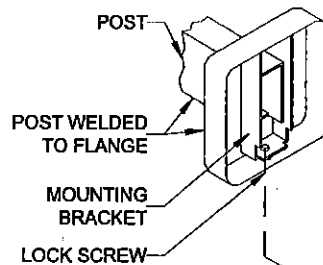
B= BRIGHT STAINLESS STEEL



S= SATIN # 4 STAINLESS STEEL

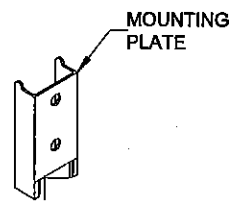


FRONT VIEW



CONCEALED MOUNTING DETAIL

NOTE:
ALL DIMS
INCH [MM]



SIDE VIEW

SPECIFICATION

Single Robe Hook shall be fabricated of stainless steel alloy 18-8, type 304. Post shall be 1/2" x 1" (13 X 25) rectangular tubing with formed mounting flange and bracket welded on end. Cap plate shall be 14 gauge, 3/4" x 1-1/4" (19 X 32) with radiused corners and internally welded to outer end. Mounting plate shall be included and shall be 18 gauge. A stainless steel setscrew shall be provided on bottom perimeter of flange to lock unit to mounting plate. Surface finish shall be bright or satin or white powder coated, as chosen by option and indicated by code suffix.

Single Robe Hook shall be Model № 7340-B or № 7340-S or 7340-W of American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

INSTALLATION

Surface mount unit on door back or wall using two (2) №10 self tapping screws (by others) through holes provided in mounting plate into suitable prepared mountings (by others) or other suitable mounting hardware (by others) to suit door or wall conditions. Hang post and flange assembly on mounting plate and tighten set screw to lock unit to plate. For compliance with ICC/ANSI A-117.1-2003 and ADA Accessibility Guidelines install unit with top of hook 48" (1219) maximum above finished floor (MAX AFF) or 46" (1168) MAX AFF if side reach access over an obstruction (e.g. vanity) with reach depth greater than 10" (254) and less than 25" (635) is only provided or 44" (1118) MAX AFF if forward reach over an obstruction with reach depth greater than 20" (508) and less than 25" (635) is only provided. For general utility install hook with centerline of mounting plate 68" (1727) AFF.

OPERATION

Hook is suitable for a robe or clothing and small carry bags.

Accessory Specialties

AMERICAN DISPENSER

Desert Ray Products

WATROUS, INC.

THIS MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR DIMENSIONS WITHOUT FORMAL NOTICE



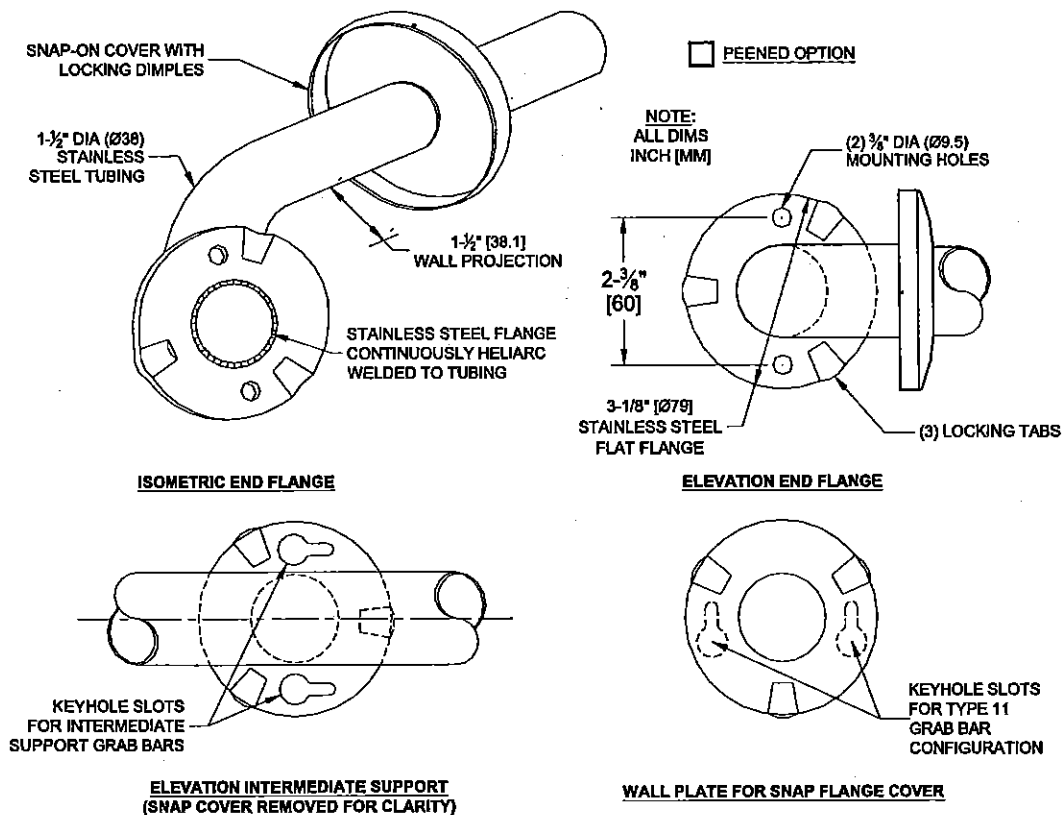
AMERICAN SPECIALTIES, INC.
441 Saw Mill River Road, NY 10701
(914) 476.9000 • (914) 476.0688
www.americanspecialties.com

MODEL №: 3800

ISSUED: 01/87

REVISED: 07 Nov 2012

1-1/2" DIA (Ø38) GRAB BAR SERIES WITH SNAP-ON FLANGE COVERS



SPECIFICATION

Grab Bar with Snap-On Flange Covers for concealed mounting shall be type 304 stainless steel alloy 18-8. Tubing shall be 1-1/2" diameter (Ø38) x 18 gauge [0.048"] (1.2). Snap-on cover shall be 22 gauge [0.03"] (0.8). Flange shall be 1/8" (3) thick and shall be Heliarc welded to tubing with a continuous concealed bead. End flanges shall have two (2) 3/8" diameter (Ø9.5) mounting holes. Center posts (if any) shall have (2) keyhole slots to ease installation access. All exposed surfaces shall have a satin finish and shall be protected during shipment with a plastic bag. For optional non-slip surface add suffix - P (peened).

1-1/2" Diameter (Ø38) Grab bar with Snap-On Flange Covers shall be Series № 3800 of American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701- 4913

STRENGTH

ASI Grab Bars are designed to meet and exceed ADA requirements as published in CABO/ANSI A117.1 and 2010 ADA Accessibility Standards. Mounting to the wall is a critical part of the system to meet this requirement. To withstand the shear, tension or pullout, and torsion loads generated by the maximum loading, the fastener system must be adequately sized.

INSTALLATION

Use grab bar as template to mark mounting holes locations and pre-drill holes. Install bar using two (2) № 10 self-tapping pan head screws and flat washers (by others) or other fastener system (by others) to suit conditions for each flange. Appropriate anchoring and backing must be provided in accordance with local building codes or as specified on Architects Plans prior to wall finishing. For compliance with 2010 ADA Accessibility Standards install unit so that the top of the grab bar is 33" (840) minimum above finished floor (AFF) to 36" (915) maximum AFF. Anchors are available from ASI and must be specified separately for each grab bar style scheduled (see 3900 series).

Accessory Specialties

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www.americanspecialties.com

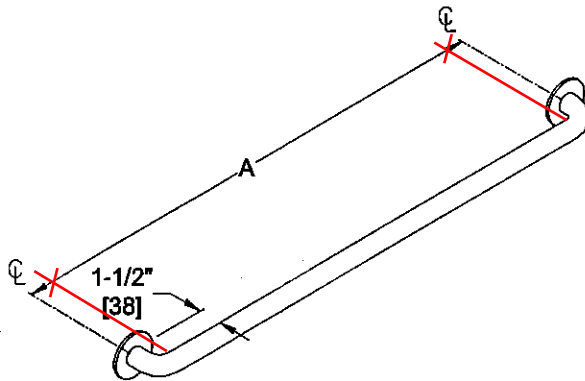
MODEL №: GRABBAR CONFIG

ISSUED: 09/96

REVISED: 03/11

GRAB BAR CONFIGURATIONS (PG 1 OF 3)

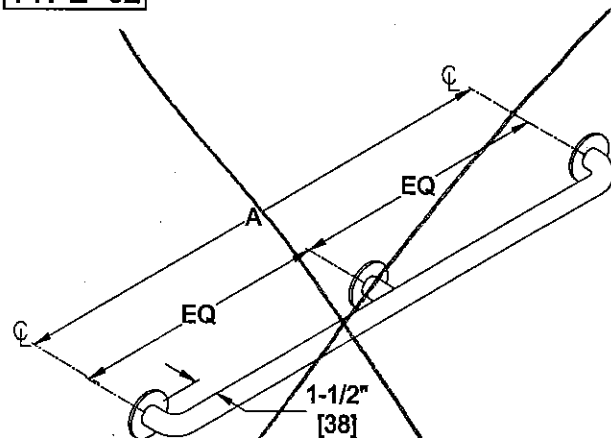
TYPE -01



SCHEDULE

QTY.	DIM. A	QTY.	DIM. A
	12" [305]	3 3	36" [914]
	18" [457]	3	42" [1067]
	24" [610]	3	48" [1219]
	30" [762]		

TYPE -02

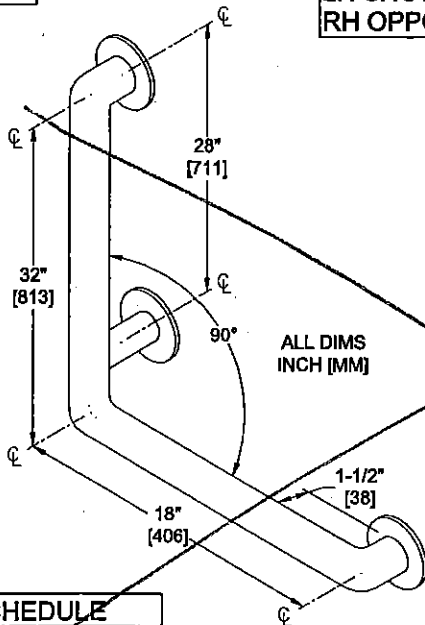


SCHEDULE

QTY.	DIM. A
	52" [1321]
	54" [1372]
	60" [1524]
	72" [1829]

TYPE -04

LH SHOWN
RH OPPOSITE

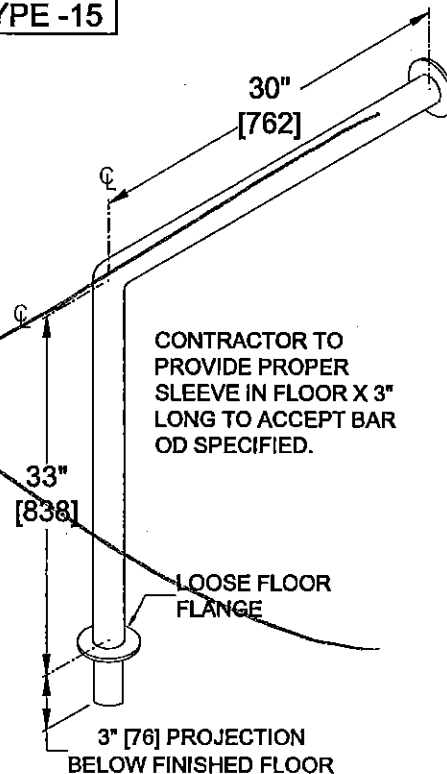


SCHEDULE

QTY.	HAND
	LH
	RH

MODEL № MUST SPECIFY
-LH OR -RH

TYPE -15



Accessory Specialties

AMERICAN DISPENSER

Desert Ray Products

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AMERICAN SPECIALTIES, INC.

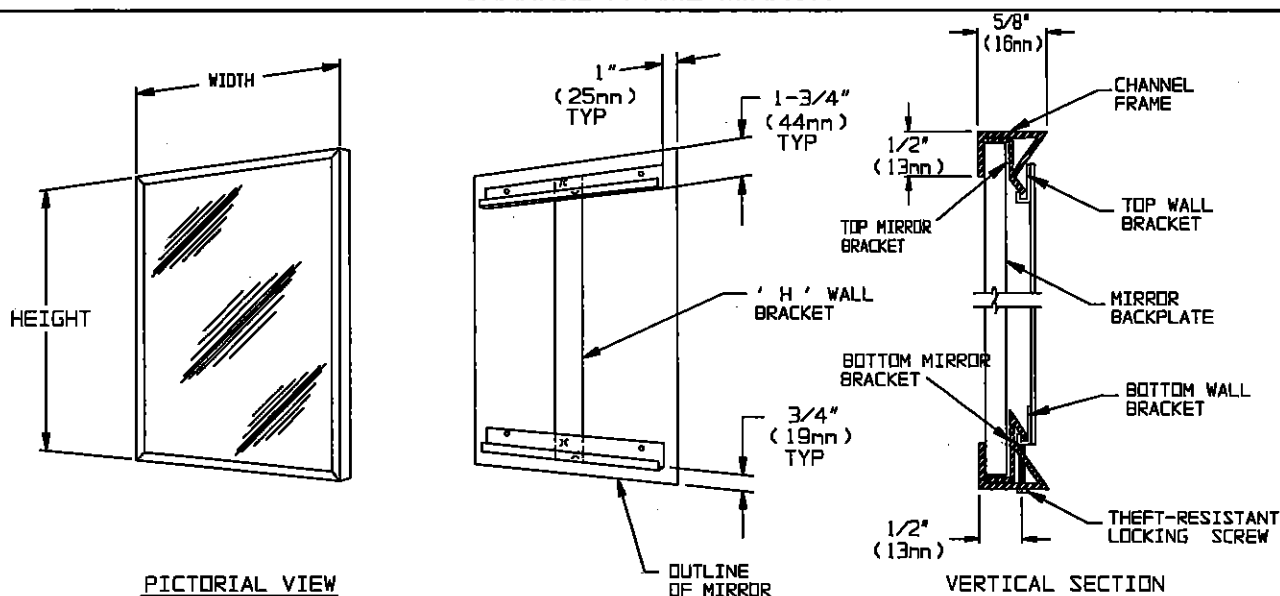
441 Saw Mill River Road, Yonkers, NY 10701 (914) 476-9000
www.americanspecialties.com

MODEL No: 0620

ISSUED: 1-87

REVISED: 4-06

CHANNEL FRAME MIRROR



SPECIFICATION

Channel Frame Mirror shall have frame fabricated of alloy 18-8 stainless steel, type 304, 20 gauge with mitered corners. Mirror glazing shall be ____ (insert glazing option) and shall be warranted for 15 years against silver spoilage. All edges of mirror shall be protected by friction and chafe absorbing fillers. Back of mirror shall be protected by full size shock-absorbing water-resistant filler and full size one piece 20 gauge corrosion protected steel. Top and bottom wall mounting brackets shall be fabricated of 20 gauge corrosion protected steel and shall be spot welded into "H" hanger. Mirror shall be secured to lower bracket with a Philips Pan Head locking screw.

18" x 36"

Channel Frame Mirror shall be Model N° 0620-__ (insert glazing option)-__ (note size, W x H) as manufactured by American Specialties, Inc., 441 Saw Mill River Road, Yonkers, New York 10701-4913

MATERIALS

Frame 18-8, type 304, 20 gauge (.036" < .91mm > thick) stainless steel. Unitized all roll-formed one-piece construction. Exposed surfaces have N° 4 satin finish. Edges and corners are burr free.

Glass: Standard glazing is N° 1 quality, 1/4" (6.4mm) thick plate/float glass, silver coated and hermetically sealed with uniform copper plating, and warranted against silver spoilage for 15 years. Mirrors meet Federal Specification DD-M-411C, ASTM C1036-91.

Filler: Expanded polyethylene microcell foam sheet material, abrasion resistant and shock absorbing, water resistant, 1/8" inch (3.2mm) total layer thickness.

FABRICATION NOTE FOR SPECIFICATION

Mirrors larger than 21sq. Ft. (1.95m²) are fabricated in two (2) or more sections to provide installation and handling ease.

INSTALLATION

Install "H" wall brackets level and plumb per diagram location using **ONLY** N° 8 or N° 10 Pan Head screws (by others). Hang mirror on brackets and tighten locking screw (N° 6-32F x 3/4" Philips Pan Head, supplied separately taped to mirror back) at bottom (note: this screw should be started prior to hanging mirror on wall bracket). For compliance with ADA Accessibility Guidelines, bottom edge of reflecting surface should be no higher than 40" (1016mm) above finished floor.

GLAZING OPTIONS

Units are supplied with 1/4" (6.4mm) thick plate glass. Other glazing options are available. For a complete description of any other available glazing, see the **MIRROR GLAZING OPTIONS** chart.

Accessory Specialties

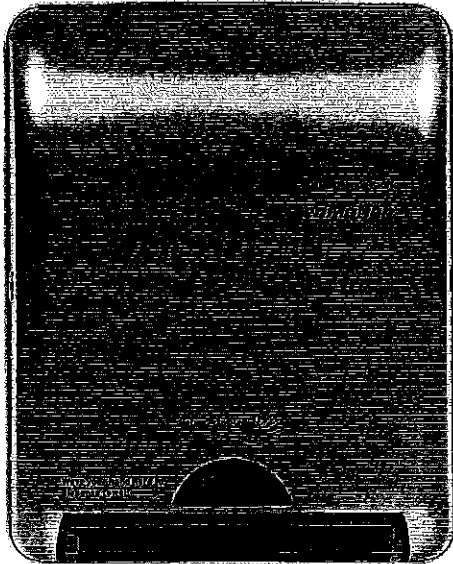
AMERICAN DISPENSER

Desert Ray Products

WATROUS, INC.

enMotion® Recessed Automated Touchless Towel Dispenser

With a wave of the hand, elevate the image of your facility, help improve hygiene and increase operational efficiencies.



Description:

The enMotion® Recessed Automated Towel Dispenser is an advanced, hands-free, electronic towel dispenser. It is engineered to be recessed into the wall of commercial washrooms for a "built-in" look and fit. The product's sleek styling extends only 4 inches from the wall. It is ideal for those facilities wishing to enhance or maintain a first-class image. *Only available via one time, lifetime, Lease Agreement with GP or authorized distributor.

Features & Benefits:

- » Adjustable settings for sheet length, time delay and dispensing mode controls usage and increases operational efficiency
- » High tech functionality, sleek stainless steel styling and quality towels are image enhancing
- » High-capacity system and paper transfer mechanism provide continuous service while helping to reduce maintenance costs
- » Multiple power options - 4 Standard Alkaline D-Cell batteries (included) or optional AC power adapter
- » ADA compliant when installed properly according to GP installation guidelines

Product Details

Brand Owner	Georgia-Pacific
Brand	enMotion®
MFG Part#	59466
Color	Stainless
UP - UPC	073310594668
Each Per Ship Unit	1 Each
Items Per Each	0 Each
Case Total	1 Each
Dispenser (WxDxH)	13.300" x 8.000" x 16.400"
UNSPSC	47131701
LEED EB&OM	IO
Buy Multiple	1 EA

Case Shipping Info

Case GTIN	10073310594665
Case Gross Wgt	10.800 LBS
Case Net Wgt	6.560 LBS
Case Dimensions (LxWxH)	19.880" x 15.750" x 9.125"
Case Volume	1.653 CFT

Unit Shipping Info

TI-Qty/Layer	6
HI-Layers/Unit	10
Unit Qty	60
Unit Dimensions (LxWxH)	47.250" x 39.750" x 91.250"



printed:12/9/2013

Mar Cor Purification

Golden, CO

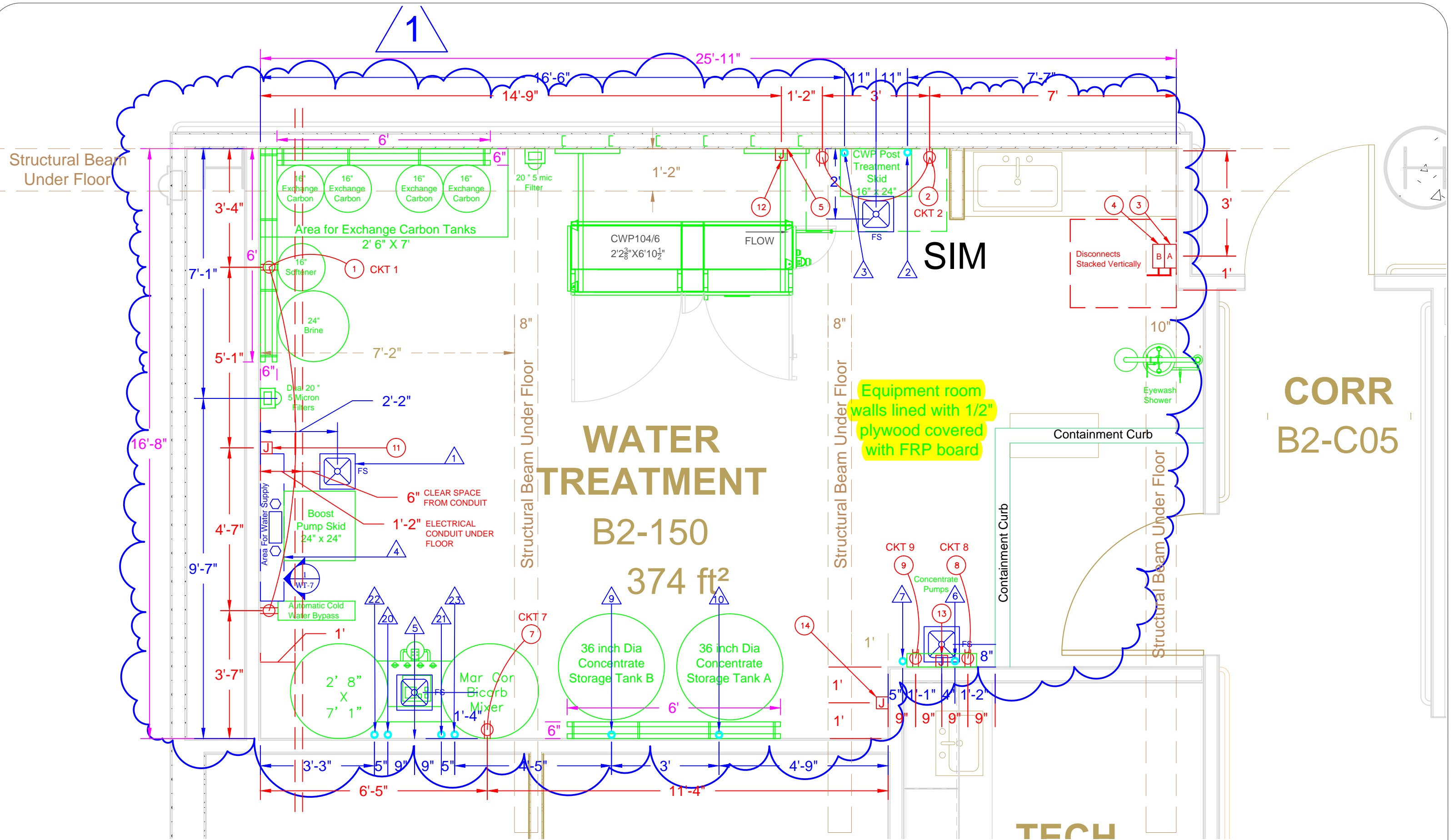
Sheets:

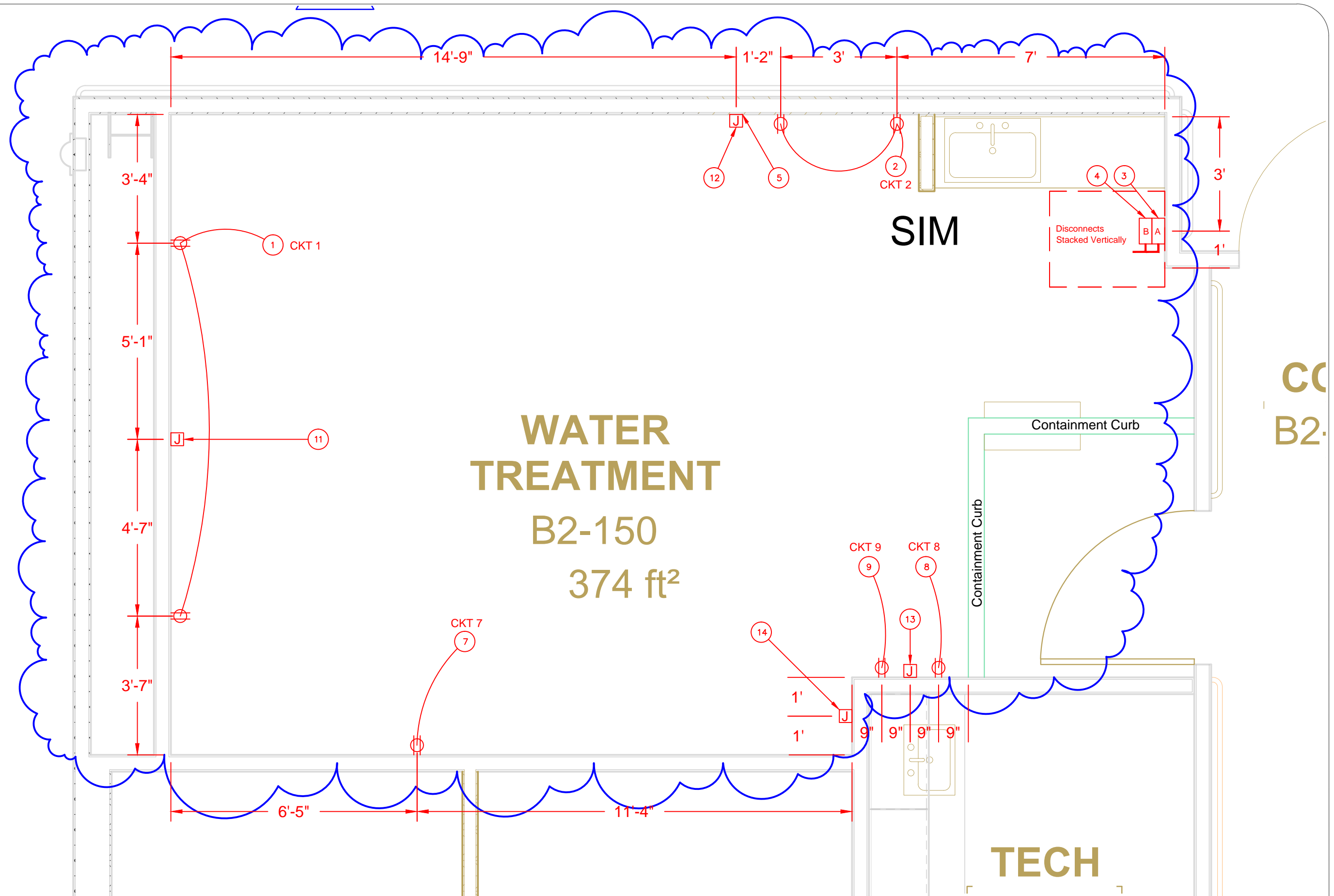
Cover Sheet	
WT-1	All Layers
WT-2	Equipment Layout
WT-3	Electrical Layout
WT-4	Plumbing Layout
WT-5	Electrical Notes
WT-6	Plumbing Notes
WT-7	Water Supply Detail
WT-8	RO Water Drop Detail
WT-9	Not Used
WT-10	RO, Concentrate, and Bicarb Loops

- # Denotes Electrical Note Number On Sheet WT-5
- # Denotes Plumbing Note Number On Sheet WT-6

Revision History:

- Rev 1
- Rev 2---Updated layout for revised water room base plan, removed on concentrate tank and loop, added sink and eyewash station with drench shower.
- Rev 3---Added floor sink for Bicarb Mixer
- Rev 4---Removed Granuflo Acid Mixer, removed Outside Fill Box, updated RO PEX Loop routing
- Rev 5---Relocated floor sinks and concentrate pumps to avoid structural beams
- Rev 6---Added structural beams under floor to layout, eliminated floor sink under CWP prefilter, relocated CWP floor sink away from all beams
- Rev 7---Relocated floor sink for Pretreatment to avoid electrical conduit under floor. Relocated floor sink by CWP to avoid structural support under floor. Added notes to Loop Sheet WT10 for Transitions Down and Up from overhead to chase cabinetry.





DRAWN BY: PY

DATE: 4-11-14

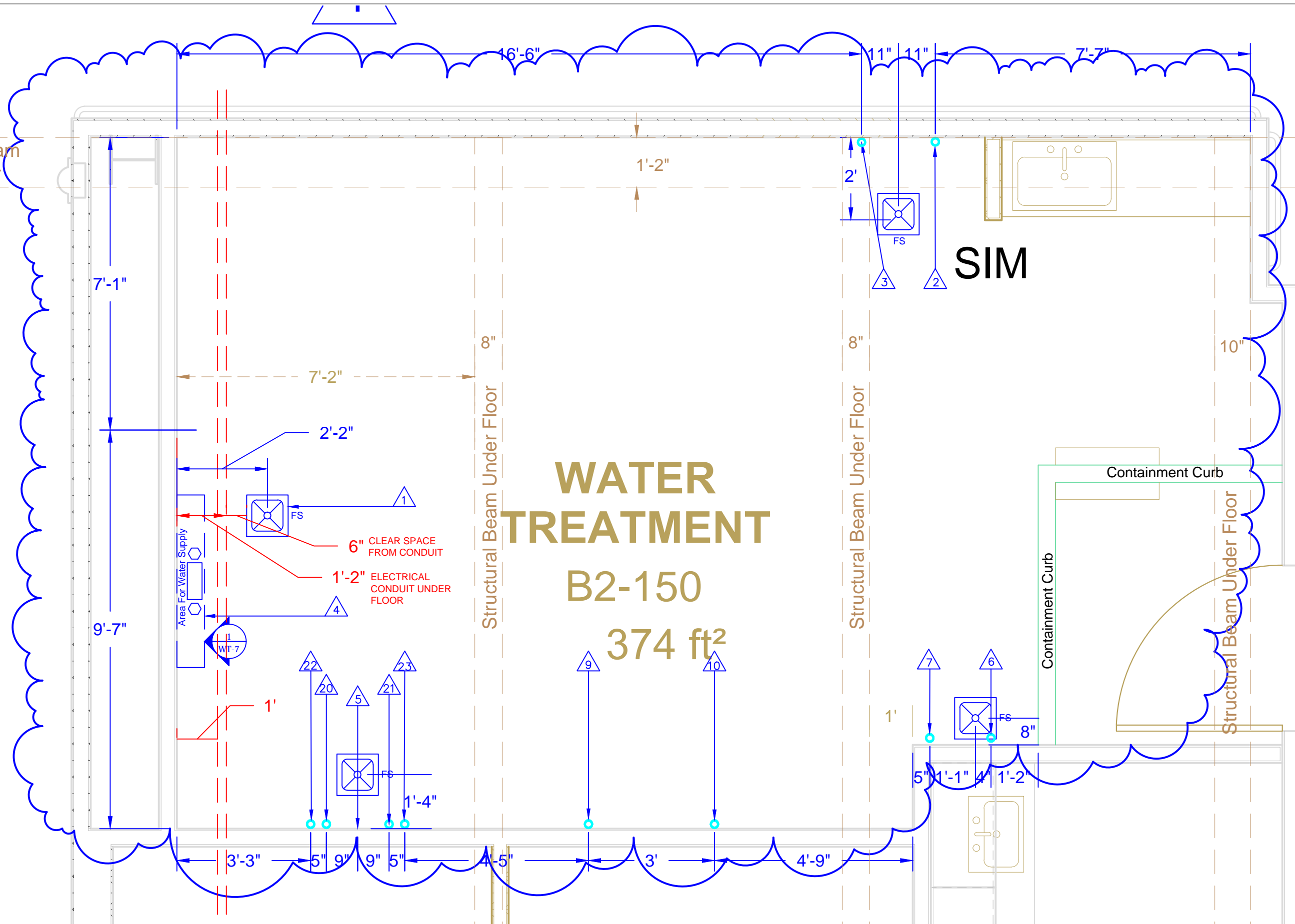
PROJECT: PALO ALTO CA-VA

SCALE: NONE

REV

TITLE: ELECTRICAL

7



DRAWN BY: PY

DATE: 4-11-14

PROJECT: PALO ALTO CA-VA

SCALE: NONE

REV

TITLE: PLUMBING

7

Electrical Notes-CWP Water System

- 1

Pretreatment Equipment. Circuit breaker at the panel/breaker box for circuit 1 is a 120 VAC, 20 AMP-GFI breaker. Receptacles on circuit 1 (duplex) are hospital grade, 120 VAC, 20 Amp, heavy duty, grounded, **(not GFI)** mounted **72 inches AFF**.
- 2

Post Treatment Skid. Circuit breaker at the panel/breaker box for circuit 2 is a 120 VAC, 20 AMP-GFI breaker. Receptacles on circuit 2 (fourplex) are hospital grade, 120 VAC, 20 Amp, heavy duty, grounded, **(not GFI)** mounted **78 inches AFF**.
- 3

RO Disconnect Switch. A 60 Amp disconnect switch installed with a standard grounded 5 wire circuit (L1, L2, L3, N, Gnd) rated at 208 VAC, equipped with 40 Amp slow blow fusing, 8 AWG wire, three phase. The switch is to be mounted at **72 inches AFF** to center of enclosure.
- 4

Inlet Water Boost Pump System Disconnect Switch. A 30 Amp disconnect switch installed with a standard grounded 3 wire circuit (L1, L2, Gnd) 220 VAC, equipped with 20 Amp slow blow fusing, single phase. Disconnect Switch is to be mounted at **60 inches AFF** to center of enclosure.
- 5

Remote Alarm Wire **(SUPPLIED BY CONTRACTOR)** pulled from this area to Remote alarm location on treatment floor by electrical contractor **(WIRE PULLED BY CONTRACTOR)**. Wire to be **Beldon P/N 6509UE, Alpha P/N 58120/12, or equivalent**, a 12 conductor, 22 gauge, stranded wire. Wire insulation to meet local code requirements. If conduit is required each end of the conduit to be terminated with a 2 inch X 4 inch box. Leave a 15foot pigtail at each end for future termination. Termination location in Patient Treatment Floor Area to be determined by others.
- 6

Not Used
- 7

Bicarb Mixer Receptacle. Circuit breaker at the panel/breaker box for circuit 8 is a Dedicated, 120 VAC, 20 AMP. **GFI** Receptacle on circuit 8 is a hospital grade, 120 VAC, 20 Amp, heavy duty, grounded, Duplex, mounted **60 inches AFF**
- 8

Acid Pump A. Circuit breaker at the panel/breaker box for circuit 9 is a Dedicated GFI Breaker, 120 VAC, 20 AMP. Receptacle on circuit 9 is a Duplex, hospital grade, 120 VAC, 20 Amp, heavy duty, grounded, **(not GFI)** mounted **36 inches AFF**.
- 9

Acid Pump B. Circuit breaker at the panel/breaker box for circuit 10 is a Dedicated GFI Breaker, 120 VAC, 20 AMP. Receptacle on circuit 10 is a Duplex, hospital grade, 120 VAC, 20 Amp, heavy duty, grounded, **(not GFI)** mounted **36 inches AFF**.
- 10

Not Used
- 11

Junction Box from booster pump disconnect switch. Wires from booster pump disconnect switch to junction box pulled by electrical contractor. The junction box is to be mounted at **72 inches AFF** to center of enclosure.
- 12

Junction box from the RO disconnect switch. Wires from RO disconnect switch to junction box pulled by electrical contractor. The junction box is to be mounted at **78 inches AFF** to center of enclosure.
- 13

Junction box for wires from outside fill box 120 VAC receptacle for concentrate system A. Wires to be connected to concentrate system controller by equipment installers. The junction box is to be mounted at **72 inches AFF** to center of enclosure.
- 14

Junction box for wires from outside fill box 120 VAC receptacle for concentrate system B. Wires to be connected to concentrate system controller by equipment installers. The junction box is to be mounted at **72 inches AFF** to center of enclosure.
- 15

Not Used
- 16

Outside Fill Box 120 VAC receptacle for concentrate system A from junction box for concentrate system A. Conduit and wires to be run by electrical contractor. Wire size determined by electrical contractor.
- 17

Outside Fill Box 120 VAC receptacle for concentrate system B from junction box for concentrate system B. Conduit and wires to be run by electrical contractor. Wire size determined by electrical contractor.

Plumbing Notes-CWP Water Systems

1

The Floor sink drain must accommodate a flow rate of 30 Gallons/ Minute. The top of the floor sink must be flush mounted with floor. Drain piping is 3 inch diameter minimum with a demonstrated flow rate of 30 gpm for 20 minutes.

2

Treated Water (RO) supply loop to be Insulated CleanPEX terminated in this area. Materials provided and installed by Mar Cor. CleanPEX to be connected to water system by equipment installers (Mar Cor).

3

Insulated CleanPEX loop return from treatment floor terminated in this area. Materials provided and installed by Mar Cor. CleanPEX to be connected to water system by equipment installers (Mar Cor).

4

The Inlet Water Supply to the inlet of the blending valve must be capable of supplying a sustained flow of **30 gpm minimum at 30 PSI minimum and 90 PSI maximum.**

5

CleanPEX outlet tee and bracket. -- Tee to be mounted at 66" AFF with outlet pointed downward. Tee provided and installed by Mar Cor Purification.

6

Concentrate System A---5/8" PE Orange Tubing. Supply for concentrate distribution loop tubing to be connected to pumps by water treatment equipment installers.

7

Concentrate System B---5/8" PE Red Tubing. Supply for concentrate distribution loop tubing to be connected to pumps by water treatment equipment installers.

8

Not Used

9

Concentrate System A---5/8" PE Orange Tubing. Return for concentrate distribution loop tubing to be connected to storage tanks by water treatment equipment installers.

10

Concentrate System B---5/8" PE Red Tubing. Return for concentrate distribution loop tubing to be connected to storage tanks by water treatment equipment installers.

11

Not Used

12

Not Used

13

Not Used

14

Not Used

15

Not Used

16

Not Used

17

Not Used

18

Not Used

19

Not Used

20

Bicarb Mixer Water Drop Transition Down

21

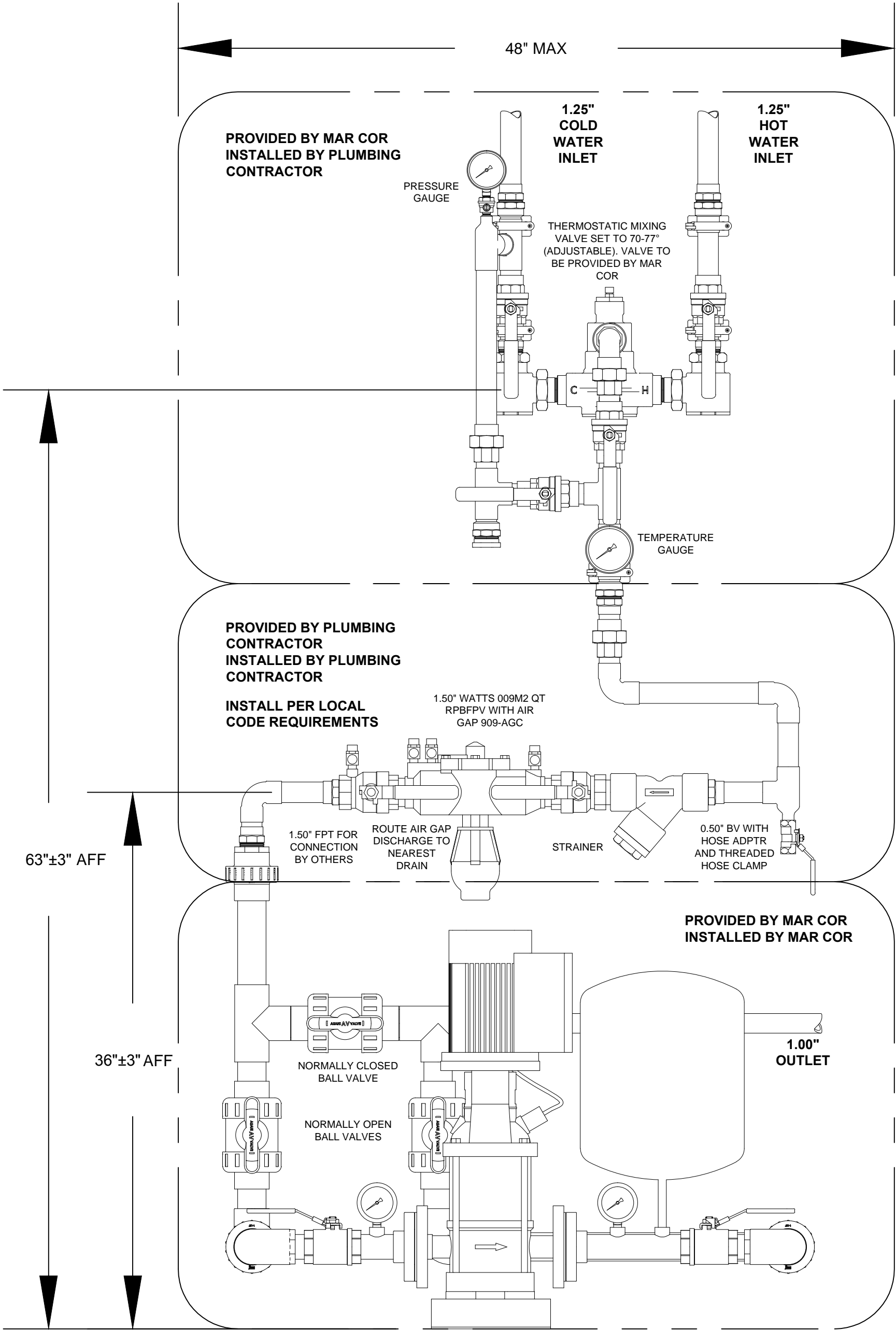
Bicarb Mixer Water Drop Transition Up

22

Bicarb Loop Supply

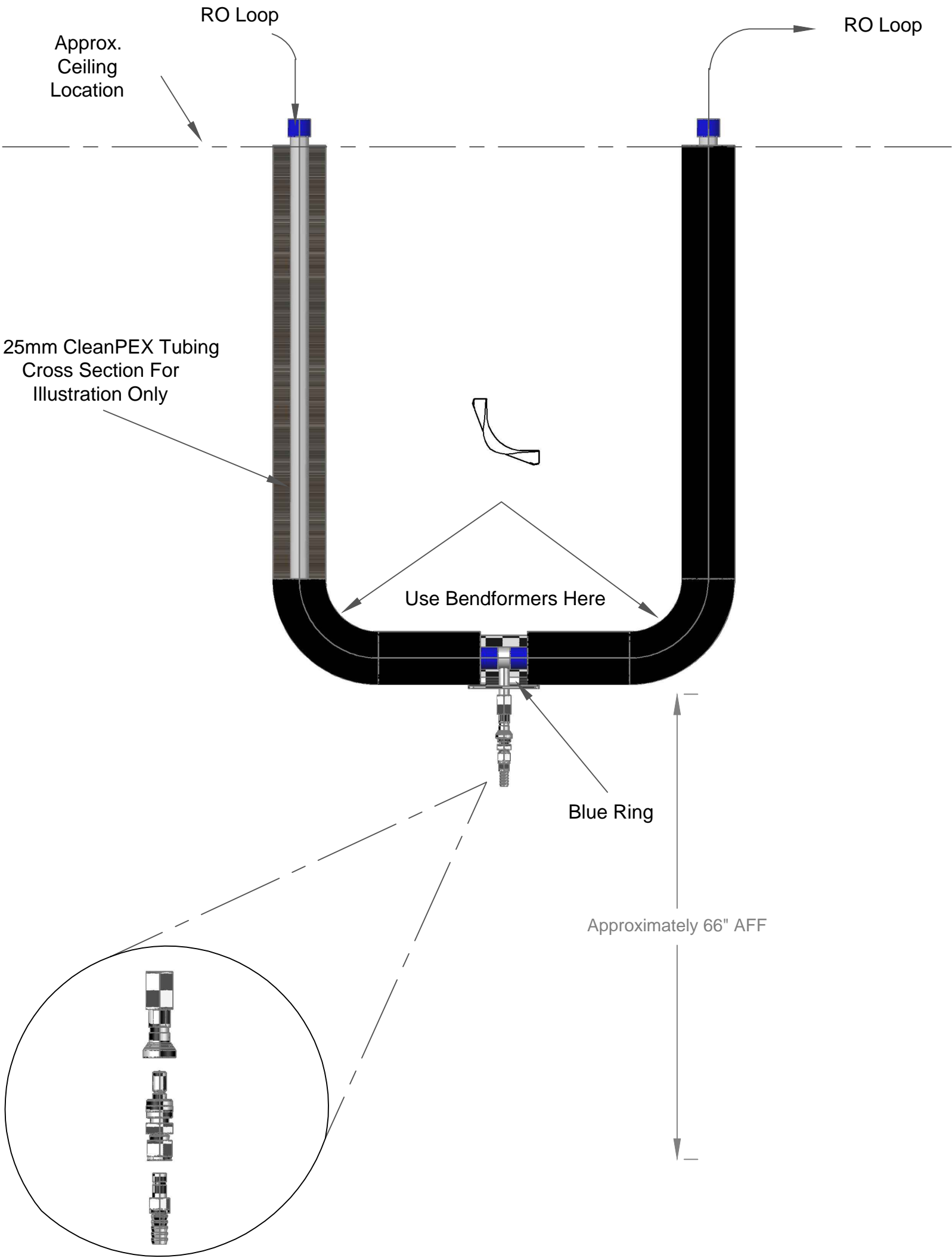
23

Bicarb Loop Return



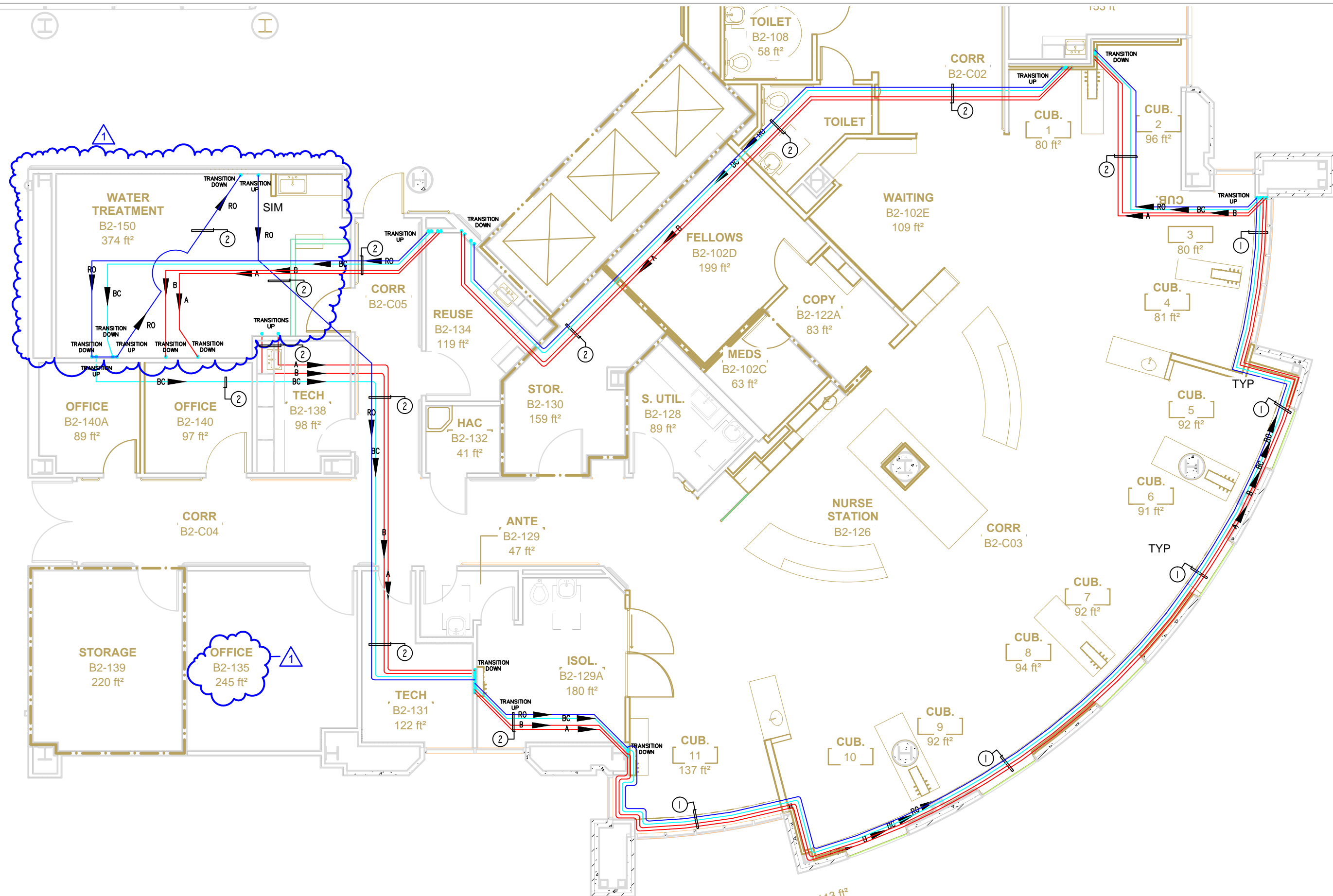
- NOTES:**
- 1. ALL COMPONENTS SHOWN ARE PROVIDED FULLY ASSEMBLED BY WATER TREATMENT SYSTEM PROVIDER EXCEPTING THE BACKFLOW PREVENTOR PIPING AS SHOWN.
 - 2. ALL PLUMBING VALVES TO BE POWERS. USE LIQUID FILLED GAUGES.

RO Water Outlet,
Mar Cor CWP RO Systems



All Components Supplied By Mar Cor.

Stainless Steel Tee and Fittings
Installed and Connected by Mar Cor.



PLUMBING REFERENCE NOTES

- ① RO, BICARB, CONC. A, CONC. B
LINES INSIDE CASEWORK
- ② RO, BICARB, CONC. A, CONC. B
LINES OVER CEILING

PROCESS PIPING LEGEND

- RO LINE ——— RO
- BICARB LINE ——— BC
- CONCENTRATE B ——— B
- CONCENTRATE A ——— A

DRAWN BY: PY

DATE: 4-11-14

PROJECT: PALO ALTO CA

SCALE: NONE

REV

TITLE: LOOP(S) ALL LAYERS

7

Loop(s)
All Layers

1
WT-10